

**DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION**

U. S. LAND OFFICE Salt Lake

SERIAL NUMBER 026375

OR PERMIT TO PROSPECT

026375

SUNDRY NOTICES AND REPORTS ON WELLS

(INDICATE NATURE OF DATA BY CHECKING BELOW)

<input checked="" type="checkbox"/> NOTICE OF INTENTION TO DRILL	<input type="checkbox"/> STATEMENT OF SHOOTING
<input type="checkbox"/> NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/> STATEMENT OF PERFORATING
<input type="checkbox"/> NOTICE OF DATE FOR TEST OF WATER SHUT-OFF	<input type="checkbox"/> NOTICE TO PULL OR OTHERWISE ALTER CASING
<input type="checkbox"/> REPORT ON RESULT OF TEST OF WATER SHUT-OFF	<input type="checkbox"/> NOTICE OF INTENTION TO ABANDON WELL
<input type="checkbox"/> NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	<input type="checkbox"/> REPORT OF WORK DONE ON WELL SINCE PREVIOUS REPORT

January 5th, 1925

Following is a {notice of intention to do work} on land under {permit} described as follows:

Utah	San Juan County	Cane
	(County or Parish)	(Field)
Well No. Shaffer #1	N.E. Sec. 6 (625 ft. from N.W. corner) [S]	27 So. 21 E. (Twp.) 2035 (Rd.) [W] of East Line
		Salt Lake

The well is located ~~545~~ ft. of North Line and ~~2000~~ ft. [W] of East Line.

The elevation above sea level is _____ ft.

Details of Plan of Work:

Will drill to test lower Pennsylvanian formations. Expected depth 3500 to 4000 feet. Casing program expected to be about as follows -

20"	90#	40'	Cemented with 10 sax cement
15 $\frac{1}{2}$ "	70#	900'	Shut off water in middle Hermosa. Will cement if necessary.
12 $\frac{1}{2}$ "	50#	1500'	To shut off water in lower Hermosa. Will cement.
10"	48#	2200'	Cave string
8 $\frac{1}{2}$ "	36#	3200'	Cement if necessary
8 $\frac{1}{2}$ "	26#	3600'	Cement if necessary

ARMED WITH THIS INFORMATION, THAT ALL GONE OR GAS-CONTAINING SPACES WILL BE SHUTTED DOWN, THE TREATMENT OF WATER AND DISINFECTION TO OTHER FORMATIONS.

Approved JANUARY 5, 1925.Company MIDWEST EXPLORATION COMPANYBy F. J. SawyerTitle Superintendent

ASSOCIATE PETROLEUM ENGINEER

Bureau of Mines

APPROVAL GIVEN AS FOLLOWS:

1. ~~Abandonment~~ R. M. LARSEN U. S. Geological Survey, station
at actual date of the commencement of plugging
and abandonment operations, that a representative of the Survey may
be present.
2. A permanent marker, consisting of not less than 10' of iron pipe,
not less than 4" in diameter, and extending four feet above the surface
of the ground to be cemented in the ground at location of well.
3. A supplementary report of final abandonment (in triplicate on
form 9-851) to be submitted to this office when the work is finished.
This report to give a detailed account of the manner in which the
work was actually carried out, including the nature and quantities
of materials used in plugging and the location and extent (by depths)
of the plugs of various materials. Records of amounts, sizes and
location (by depths) of all casing left in the well, and the names
and positions of employees who carried on the work should be included.
**THIS REPORT MUST BE SIGNED TO BY THE EMPLOYEE ACTUALLY IN CHARGE OF THE
WORK.**

**DEPARTMENT OF THE
BUREAU OF MINES
PETROLEUM DIVISION**

U.S. GOVERNMENT
SERIAL NUMBER

www.ijerpi.org

卷之三

should be

Should be 026375

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) _____ **Block _____** **County (or subdivision) _____** **Section _____**

Field _____ Date _____ Company _____ MONTANA EXPLORATION COMPANY

of **[REDACTED]**, 192 **[REDACTED]**

Signed

NOTE.—Gas production should be reported on Form 6-335a.

Title AGENCY

<u>1/4 Sec.</u>	<u>Twp.</u>	<u>Range</u>	<u>Well No.</u>	<u>Days operated</u>	<u>If drilling depth</u>	<u>Pump depth</u>	<u>Barrels oil</u>	<u>Barrels water</u>	<u>Barrels emulsion</u>	<u>Gravity</u>	<u>If shut down, cause</u>
1/4 Sec.	572	22D	#1								Frank Location made January 5th, 1928. Moving material is to start operations when weather permits

Digitized by srujanika@gmail.com

This form is designed to be regular in every respect, regarding either the subject or the question, and repeat the same in connection with the
same subject.

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION

U. S. LAND OFFICE **Salt Lake**
SERIAL NUMBER **1028583**
LEASE OR PERMIT **Permit**
Shaffer

LESSEE'S MONTHLY REPORT OF OPERATIONS 6/26/93

State (or Territory) ... Utah ... County (or subdivision) ... San Juan ...

Field Cane Company Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month
of February, 1925.

Signed *John H. McFadden*

NOTE. - Cat production should be reported on Form 5-235a.

14 Sec.	Twp.	Range	Section	Latitude	Longitude	Pump depth	Barrels oil	Barrels water	Barrels condision	Gravity	If shut down, cause
											Will build rig soon as ice leaves river to ferry down timbers. Camp already constructed.

Number of species per genus. **H** = **High** diversity; **L** = **Low** diversity.

San Juan County
Cane Creek

Midwest Exploration Co., Fr. Shafer #1
NWNE Sec. 6, 27 S., R. 21 E.

S.L.026375

The Midwest Exploration Co., a subsidiary of the Midwest Refining Co., is preparing to drill a deep cable tool test on the Cane Creek Dome, 10 miles south of Moab, Grand County, Utah. Equipment was moved down the Green River and up the Colorado River by boat. The location is on a sand bar in the canyon, in the SW^{1/4} of Sec. 6, T. 27 S., R. 21 E., on permit Salt Lake 026383. *Sept. 1925*

The Midwest Exploration Company has been unable to transport material for their derrick down the Green River from the railroad to their location south of Moab, in the SE^{1/4} of Sec. 6, T. 27 S., R. 21 E., on S. L. permit 026383, owing to the quantity of ice in the river. *Sept. 1925*

Cane Creek, Utah

The Midwest Exploration Company is drilling at 525 feet in its well No. 1 on permit S. L. 026383, in NW^{1/4} Sec. 6, T. 27 S., R. 21 E. All supplies and material must be floated down the river by barge from either Moab or Thompson, as the well is located in the canyon. A 75-horsepower Holt internal combustion engine is being used for drilling power. *Sept. 1925*

Cane Creek Dome, Utah

The Midwest Exploration Co. has cemented 15^{1/2}" casing at 891 feet in their well No. 1 in NW^{1/4} Sec. 6, T. 27 S., R. 21 E. *Sept. 1925*

Cane Creek Dome

The Midwest Exploration Co. is drilling at 1320 feet in its well #1, in the NW^{1/4} Sec. 6, T. 27 S., R. 21 E., on permit S. L. 026383. *Oct 1925*

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION

U.S. AIR FORCE **SAC** **YARD**
Senior Executive Service
Leadership

卷之三

LESSEE'S MONTHLY REPORT OF OPERATIONS

Date (or) Year of Birth: 1968

County (or subdivision), Ban Juen

Field Spec.

Company, **Midwest Exploration Co.**

The following is a correct report of operations (including drilling and oil-producing wells) for month
of February, 1928.

Signed

NOTE.—Gas production should be reported on Form 6-335a.

Title Agent

1/4 Sec.	Twp.	Range	Well No.	Days operated	If drilling depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	If shut down, cause
NE 1/4	6	278 212	Frank K	\$1							Still moving in material. Ice in river and cold weather have made it impossible to get drilling operations under way. All material should be at location during March.

Still moving in material.
Ice in river and cold
weather have made it
impossible to get drilling
operations under way. All
material should be at
location during March.

Wetland - Climate change - Impacts on the river or outlet of all drainage basins

This form is to be used by a regular monthly report, regardless of the status of operations and number of units shipped, and is to apply during the following month.

Form 6

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION

U. S. LAND OFFICE
STATE OF COLORADO
COUNTY OF LARIMER
SECTION 10
TOWNSHIP 10
SECTION 10
PENNY

LESSEE'S MONTHLY REPORT OF OPERATIONS *026375*

State (or Territory) Wyoming County (or subdivision) Elk Creek

Field Elk Creek Company Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month of March, 1928.

Signed J. A. Hansen

Title Manager

NOTE.—Gas production should be reported on Form G-325a.

No.	Twp.	Range	Well No.	Days operated	M. drilling depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	If shut down, cause
200 8	27 1/2	28 1/2	<i>Frank</i>								<i>Planning for separation. Oil has been separated and distillation will be commenced in a short time.</i>

When filed every

Time or place of filing

This form is designed to be filed monthly, regardless of the status of operations, and must be filed in duplicate with the deputy supervisor by the 5th of the succeeding month.

**DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION**

U. S. LAND OFFICE ~~DATE~~
STATE, NUMBER
~~PERMIT~~

026375

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) Wash. County (or subdivision) Oneida

Field Gas Crust Company The Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month
of August, 1928.

Signed J. A. Tolson

Title Manager Supervisor

NOTE.—Gas production should be reported on Form 6-32a.

W. Sec.	Twp.	Rango	Well No.	Days operated	Drilling depth	Pump depth	Barrels oil	Barrels water	Barrels gasoline	Gravity	H shot down, cause
205	205	212	62	2007							Very slow, very hard, 2 hours, 200 ft, dry gas, 200 ft

Reported on _____ day of _____, 1928, during the month of _____.

This form is required as a regular monthly report, kept on file by the Bureau of Mines, and must be filed in duplicate with the deputy supervisor by the 6th of the succeeding month.

**DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION**

SERIAL NUMBER
LANDER PERMIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) Wyo. **County (or subdivision)** Bonneville

Field Gas **Company** Standard Oil Company Inc.

The following is a correct report of operations (including drilling and oil-producing wells) for month
of May, 1928.

Signed J. A. L.

Title Manager - Standard Oil

NOTE: Gas production should be reported on Form G-35a.

Sec.	Twp.	Rang.	Well No.	Days operated	H drilling depth	Pump depth	Barrels oil	Barrels water	Barrels condensate	Gravity	H shut down, cause
200	200	200	3		4000'						

Note: This form

This form is required by a Bureau of Mines permit. It must be filed in accordance with the
deputy supervisor by the 1st of each month.

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION

U. S. LAND OFFICE *DATE LATE*
SERIAL NUMBER *026375*
LEASOR PERMIT *Shaffer*

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) Utah County (or subdivision) San Juan

Field Cane Creek Company Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month of June, 192 8.

Signed J. Shaffer

Title District Sup't.

<u>% Sec.</u>	<u>Twp.</u>	<u>Range</u>	<u>Well No.</u>	<u>Days operated</u>	<u>If drilling, depth</u>	<u>Pump depth</u>	<u>Barrels oil</u>	<u>Barrels water</u>	<u>Barrels emulsion</u>	<u>Gravity</u>	<u>If shut down, cause</u>
<u>266</u>	<u>273</u>	<u>212</u>	<u>1</u>		<u>569</u>						

Note.—There were 300 runs or sales of oil during the month.
(With "N." if applicable.)

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the deputy supervisor by the 6th of the succeeding month.

**DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION**

U. S. LAND OFFICE

SERIAL NUMBER

LEASE PERMIT

S-618-1000
026375

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) _____ West County (or subdivision) _____ San Juan

Field Cerro Creek Company Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month of July, 192⁸.

Signed J. A. Tolman
Title District Super.

NOTE.—Gas production should be reported on Form 6-335a.

<u>1/4 Sec.</u>	<u>Twp.</u>	<u>Range</u>	<u>Well No.</u>	<u>Days operated</u>	<u>If drilling, depth</u>	<u>Pump depth</u>	<u>Barrels oil</u>	<u>Barrels water</u>	<u>Barrels emulsion</u>	<u>Gravity</u>	<u>If shut down, cause</u>
<u>206</u>	<u>278</u>	<u>212</u>	<u>2</u>	<u>000</u>	<u>000</u>	<u>-</u>					

NOTE.—There were 28 runs or sales of oil during the month.
(Write "No" if applicable.)

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the deputy supervisor by the 6th of the succeeding month.

e-622

GOVERNMENT PRINTING OFFICE

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) Utah County (or subdivision) San Juan

Field Cana Creek Company Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month
of August, 1928.

Signed 

NOTE.—Gas production should be reported on Form 6-335.

Title District Dept.

<u>% Sec.</u>	<u>Twp.</u>	<u>Range</u>	<u>Well No.</u>	<u>Days operated</u>	<u>If drilling, depth</u>	<u>Pump depth</u>	<u>Barrels oil</u>	<u>Barrels water</u>	<u>Barrels emulsion</u>	<u>Gravity</u>	<u>If shut down, cause</u>
<u>108</u>	<u>273</u>	<u>212</u>	<u>1</u>		<u>891'</u>						<u>Allowing cement to set.</u>

Note.—There were runs or sales of oil during the month.

(Write "No" if none.)

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the
deputy supervisor by the 8th of the succeeding month.

6-335

U.S. GOVERNMENT PRINTING OFFICE

**DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION**

U. S. LAND OFFICE ~~Billings~~
SERIAL NUMBER ~~123456789~~
TENANT PERMIT ~~123456789~~

026375

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) Wyoming County (or subdivision) Big Horn
Field Game Creek Company Midwest Petroleum Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month of September, 1925.

Signed J. A. Johnson

Title Manager

NOTE.—Gas production should be reported on Form 6-335.

X Sec.	Twp.	Rango	Well No.	Days operated	If drilling, depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	If shut down, cause
2105	279	221	1		1500						

Note.—There were 0 barrels or more of oil during the month.

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the deputy supervisor by the 6th of the succeeding month.

DEPARTMENT OF THE INTERIOR

BUREAU OF MINES GEOLOGICAL
PETROLEUM DIVISION

U. S. LAND OFFICE

SERIAL NUMBER
SURVEY
PERMIT

026375

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) WyomingCounty (or subdivision) SheridanField Cow CreekCompany Midwest Exploration Co.of October, 1925.Signed J. A. Johnson

NOTE.—Gas production should be reported on Form 6-335.

Title District Superintendent

Mo. Sec.	Twp.	Range	Well No.	Days operated	If drilling, depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	If shut down, cause
1925 202	2				1400'						12½" casing standing cemented

Note.—There were 0 runs or sales of oil during the month.

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the deputy supervisor by the 5th of the succeeding month.

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES GEOLOGICAL SURVEY
PETROLEUM DIVISION

U. S. LAND OFFICE
SURVEY
PERMIT

~~RECEIVED~~

~~SEARCHED~~

~~INDEXED~~

~~FILED~~

REGULATORY
COMMISSION

EX-647

REGULAR MONTHLY REPORT OF OPERATIONS

Location: Territory:

County or jurisdiction:

Period: Date: Month:

Report of month ending:

The following is a correct report of all the producing, working and oil-producing wells, tanks, etc., in the territory.

Incident #

Size: 1

Oil production should be reported in barrels per day.

Gas production should be reported in cubic feet per day.

Gas Seepage: Rating: Wind: Days of wind: Direction: Duration: Number of days.

NB# 278 216 1 2620

Site burned
Building.

Note.—There were runs or sales of oil during the month.

(Write "No" if applicable.)

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the
deputy supervisor by the 6th of the succeeding month.

6-628

REGULATORY COMMISSION

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
SERIAL NUMBER 026375
LEASE OR PERMIT Shaffer

026375

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) Utah County (or subdivision) San Juan

Field Blue Angel Company Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month
of January, 1926.

Signed

NOTE.—Gas production should be reported on Form 6-335. Title Geo. G. Distalupta

$\frac{1}{4}$ Sec.	Twp.	Range	Well No.	Days operated	If drilling, depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	If shut down, cause
NE 6	273	218	1								Cemented at 2025'

Note.—There were _____ runs or sales of oil during the month.
(Write "No" if applicable)

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate.

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LESSEE'S MONTHLY REPORT OF OPERATIONS

U. S. LAND OFFICE Salt Lake

SERIAL NUMBER 026395

MINER PERMIT Shafer

State (or Territory) Utah

County (or subdivision) San Juan

Field Cane Creek

Company Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month of February, 1926.

Signed _____

NOTE.—Gas production should be reported on Form 6-335.

Title _____ Dist. Super. _____

$\frac{1}{4}$ Sec.	Twp.	Range	Well No.	Days operated	If drilling, depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	If shut down, cause
106	27S	21E	1		2025'						Sidetracking collapsed casing

Note.—There were _____ days or miles of oil during the month.

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the deputy supervisor by the 1st of the succeeding month.

**DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

U. S. LAND OFFICE **Salt Lake**
SERIAL NUMBER **026371**
LEASE OR PERMIT **Shaffer**

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) Utah County (or subdivision) San Juan

Field Cane Creek Company Midwest Exploration Co.

The following is a correct report of operations (including drilling and oil-producing wells) for month of March, 1926.

Signed _____

NOTE.—Gas production should be reported on Form 6-335.

Title C. O. Dist. Supt.

<u>% Sec.</u>	<u>Twp.</u>	<u>Range</u>	<u>Well No.</u>	<u>Days operated</u>	<u>If drilling, depth</u>	<u>Pump depth</u>	<u>Barrels oil</u>	<u>Barrels water</u>	<u>Barrels emulsion</u>	<u>Gravity</u>	<u>If shut down, cause</u>
<u>26</u>	<u>27S</u>	<u>21E</u>	<u>1</u>			<u>2025'</u>					<u>8 1/2 casing set and cemented at 2025'; did not hold; re-cementing</u>

NOTE.—There were No runs or sales of oil during the month.
(Write "No" if applicable)

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the deputy supervisor by the 6th of the succeeding month.

San Juan County
Cane Creek

2 Midwest Exploration Co., Shafer #1,
NW NW NE 6, 275, 21E.

S.L.026383

JAN 1926 Midwest Exploration Co., Shafer #1,
NE Sec. 6-275-21E (S. L. 026383)

This well came in Dec. 8, while the men were at breakfast and caught fire, destroying the rig and much equipment. The estimated initial production was 150 bbls. of oil accompanied by gas, flowing by heads. The flow was killed by mudding until the necessary repairs could be made. A new rig has been erected and the 10" casing now suspended at 1990' will be underreamed, lowered and cemented in a hard formation overlying the sand at 2028'. The 12 $\frac{1}{2}$ " string of casing is cemented at 1408'. Drilling was started in the dermosian formation and the oil was found in the Goodridge formation of Pennsylvanian Age.

The Oil has a dark green color, a gravity of 36° Bé, a high paraffin content, contains 22% gasoline, and 16% kerosene. It compares favorably with the Oklahoma crude oil from sands of the Pennsylvanian series.

The discovery is considered important although the possibilities of the district are yet undetermined. The Shafer well is believed to be capable of producing 100 to 300 bbls. of oil daily. About 5000 acres of choice drilling area lie on the Cane Creek structure, and there is a possibility of production from other sands as well as other attractive structures in the district.

Areas and closures are as follows:

	Closure	Acreage
Cane Creek	850	6,000
Shafer	550	5,812
Lockhart	30	3,053
Indian Creek	65	3,529

(1-25-26, Midwest Refg. Co. -- 1-12-26, Colorado Engineering Council).

FEB 1926 Midwest Exploration Co., Shafer #1,
NE Sec. 6-275-21E (S. L. 026383)

A total depth of 2028' was reached and production, estimated at 200 bbls. daily was obtained, Dec. 8. The 10" casing was lowered from a depth of 1990' to the hard formation overlying the producing sand and was cemented. A successful shut off was reported but the casing collapsed when the cement was being drilled out. The collapsed casing was wedged to the bottom and a string of 8 $\frac{1}{4}$ " is being run. This will be cemented inside the 10" before an attempt is made to drill on into the sand. A number of different operators are watching this test and are making geologic examinations of the territory. The Texas Company has acquired a state lease on the lower bed and has a force of geologists at work on the property.
(1-21-26 Midwest Refg. Co.)

MAR 1926 Midwest Exploration Co., Shafer #1,
NE Sec. 6-275-21E (S. L. 026383)

A telegraphic report, received by the Midwest Refining Co., states that the 8 $\frac{1}{4}$ " casing has been successfully run and cemented inside the collapsed 10", and that the well is shut in. It is now reported to be in perfect condition for being redrilled and a test made. The future activity of a large area in this district will be greatly influenced by this test (Midwest Refining Co.).

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

1944-1945 MONTHLY REPORT OF OPERATIONS

State (or Territory) **Plants**

Committee for subdivision 100-1000

Field Guide Index

Consequently, the 22nd of June is the best day to go to the beach.

The following is a correct report
of April 13th, 1902.

Signed *John C. Gandy*

NOTE.—Gas production should be reported on Form G-335.

Title **Mobile Impact Assessment**

W Sec.	Twp.	Rrange	Well No.	Days operated	Drilling depth	Pump depth	Barrels oil	Barrels water	Barrels gasoline	Gravity	If shut down, cause
NE ¹ ₂			Frank A.L. Shafer.	6	275	21E #1	30	2031'	/	/	8 1/2" Casing set at 2025' re cemented did not hold. Run 6 3/4" Casing with Baker Packer, did not hold.

Normal. There were **N.** runs or sales of oil during the month.
(Write "N." if applicable)

Notices of incorporation as well as other periodic reports, regardless of the status of incorporation, and any other documents filed by the company

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
SALT LAKE
SERIAL NUMBER
LEASE OR PERMIT

~~46588~~

Permit

~~026375~~

LESSEE'S MONTHLY REPORT OF OPERATIONS

Utah	San Juan
State (or Territory)	County (or subdivision)
Cane Creek	The Midwest Exploration Company,
Field	Company

The following is a correct report of operations (including drilling and oil-producing wells) for month
of April 1926.

, 192

Signed *Clown Smith*

Field Superintendent.
Title

$\frac{1}{4}$ Sec.	Twp.	Range	Well No.	Days operated	If drilling, depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	If shut down, cause
6	278	21E	#1	30	2031'	/	/	/	/	/	5 $\frac{1}{2}$ " Casing set at 2025' recommended did not hold. Run 6 $\frac{1}{2}$ " Casing with Baker Pack did not hold.

No.

NOTE.—There were _____ runs or sales of oil during the month.
(Write "No" if applicable)

This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate with the deputy supervisor by the 1st of the succeeding month.

RECEIVED
U. S. LAND OFFICE
GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
GEOLOGICAL SURVEY
SERIAL NUMBER
LAND OR PLATINUM

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) Utah

County (or subdivision) Salt Lake

Field Gas Crater Structure

Company The Midway Exploration Company

The following is a correct report of operations (including drilling and oil-producing wells) for month of June 1926.

, 192

Signed

Clover Abbott

Title Field Sup't.

NOTE.—Gas production should be reported on Form G-202.

W. No.	Twp.	Rang.	Well No.	Days operated	If drilling, depth	Pump depth	Barrels oil	Barrels water	Barrels condensate	Quality	If shut down, cause
200-6	278	212	1	26	2000'						

Note.—There were

0

FORM NO. 100-1000-1

San Juan County
Cane Creek

Midwest Expl. Co. Frank Shafer #1
NW 1/4 NW 1/4 Sec. 6-27S-21E.

SL. 026383

APR 1926 Midwest Exploration Co., Frank Shafer well #1,
NE Sec. 6-27S-21E (S. L. 026383)

In the future this well will be carried as Frank Shafer #1 in accordance with the following extract received from the company:

"The present drilling well has been known as the John L. Shafer Well #1, but due to the re-arrangement of the permit boundaries, it is actually on the Frank Shafer permit."

This well was visited twice during the past month to witness a water shut off test. On the first visit the following information was furnished:

Show of oil	1990'
Salt Water	2024 - 2025' (sand line measurement)
Bottom of hole	2028'.

A string of 10" casing had been run in the hole to shut off water but collapsed. After swaging out the 10" casing, a string of 8 $\frac{1}{2}$ " casing was run and cemented but also failed to shut off water. A steel line measurement was then made which showed total depth to be 2025', and this is considered the correct depth. The hole was drilled 1' deeper and 8 $\frac{1}{2}$ " casing was run to this depth and the annular space between the 6-5/8" and 8 $\frac{1}{2}$ " was filled with heavy mud fluid. This attempt also failed to shut off the water. It appears that either splinters of iron from the damaged 10" casing or a creviced condition of the formations, makes it impossible to obtain a water shut off at this depth. The present plan is to drill ahead until suitable formation is reached before again attempting to make a water shut off.

MAY 1926 Midwest Exploration Co. (Frank L. Shafer)
Well #1, NE Sec. 6-27S-21E (S. L. 026383)

The Midwest Company will try and re cement the 8 $\frac{1}{2}$ " casing at 2025'. Through error they reported re cementing the 8 $\frac{1}{2}$ " casing at 2035'. The correct depth of hole is 2031'. (Midwest Co. 5-26-26)

Midwest Exploration Co., Frank L. Shafer #1,
NE Sec. 6-27S-21E (S. L. 026383)

June 1926

This well has encountered salt beds with shale breaks in between from 1500' to present depth of hole, 2730', and at this depth are still in salt. The Company has kept samples from the top to present depth, and samples are available to the Survey at the well. According to the geology worked out on this structure the company is nearing the horizon where production is expected.
(Midwest Refining Co.)

Midwest Exploration Co. #1,
Jul 1926 Well #1, NE Sec. 6-27S-21E (S. L. 026383)

A string of 8 $\frac{1}{2}$ " casing is being run in. The bottom of the hole is in black shale at 3250'. The top of the black shale was encountered at 3250'. It is understood that the 8 $\frac{1}{2}$ " casing is being run for protection and will not be landed in the black shale for a formation shut off. This well is still drilling in a wet hole. The formation from 2025' to present depth has been salt beds with several streaks of black shale.

(7-27-26, Midwest)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE **Salt Lake**
SERIAL NUMBER **026375**
LEASE OR PERMIT **Permit**

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) **Utah**

Cane Creek Structure

County (or subdivision) **San Juan**

Company **The Midwest Exploration Co.**

The following is a correct report of operations (including drilling and oil-producing wells) for month

July 1926.

, 192

Signed *Elmer Smith*

Gas production should be reported on Form 6-335.

% Sec.	Twp.	Range	Well No.	Days operated	If drilling, depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	If shut down, cause
Frank Sharer.	NB-6	278	213	1	24	3272					Waiting for cement to set.

NOTE.—There were **No**

(Write "No" if applicable) runs or sales of oil during the month.

This form is required as a regular monthly report, regardless of the state of operation, and must be filed in duplicate with the deputy supervisor by the 6th of the succeeding month.

卷之三

**DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

U. S. LAND OFFICE - 986375
SERIAL NUMBER - 5 permit s -
LEASE OR PERMIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Salt Lake Date Aug 1926
 The following is a correct report of operations and products of manufacturing (drilling and producing wells)
 for the month of August 1926.
 Agent's address West Jordan, Utah. Mfg. No. 192
 Company The Standard Exploration Co.
 Signed F. H. West.
 Identity Agent
 REMARKS Wells drilled and completed during month of August.

Frank Shaffer 911

...planned sales of gas;

San Juan County
Cane Creek

Midwest Expl. Co. Frank Shafer #1,
NW NW NE 6, 27S, 2E.

SL. 026375

AUG

Midwest Exploration Co. Frank Shafer Well #1,
1926 NW NW Sec. 6-27S-2E (S. L. 026375)

The situation at this well is again favorable after looking discouraging for several months. The tools while drilling at 3632' struck a gas which blew them 100' up the hole and formed a bridge. On drilling to 3645' in black shale, an amber colored oil rose 150' in the hole. The fact that the oil is light and a paraffin base confirms the belief that the character of the Pennsylvanian column at this place is similar to that of Texas.

This is the discovery well on Cane Creek and was supposed to have 350 barrels per day flowing by heads from 3628'. Several attempts to shut off the water which came in with the oil failed. On drilling deeper the bit went through 800' of salt and sand formation and just above the objective sand.

A string of 4 1/2" 20# casing was cemented at 3272' using 60 sacks of cement. 75 barrels of mud followed by 10 barrels of lime were circulated ahead of the cement. (Midwest, 8-23-26)

SEP

Midwest Exploration Co., Frank Shafer Well #1,
NW NW Sec. 6-27S-2E (S. L. 026375)

Drilling at 3632'. 4 1/2" casing hanging in hole at 3632'. The 20' of saturated shale which produced the oil reported at 3632' was cased off and drilling continued. The bit passed from the shale into salt beds and has been drilling in shale and salt beds since that depth. (Well visited 9-22-26)

LESSEE'S MONTHLY REPORT OF OPERATIONS

State (or Territory) **UTAH**
 Field **CAVE CREEK**

County (or subdivision) **DAKOTA CITY**

Company **THE STANDARD OIL COMPANY**

The following is a correct report of operations (including drilling and oil-producing wells) for the month of

SEPTEMBER 1926., 192

Signed **Frank Shafer**

Field Superintendent

Title **Field Superintendent**

NOTE.—Gas production should be reported on Form 6-355.

$\frac{1}{4}$ Sec.	Twp.	Range	Well No.	Days operated	If drilling depth	Pump depth	Barrels oil	Barrels water	Barrels emulsion	Gravity	Other down, cause
ME-6	275	21E	1	24	4001	0	0	0	0	0	Drilling.

NOTE.—There were **No** runs or sales of oil during the month.
 (Write "No" if applicable)
 This form is required as a regular monthly report, regardless of the status of operations, and must be filed in duplicate
 R-1250
 NO REPORTS PENDING OTHER

FORM
Revised 1
100
10, 1926

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Salt Lake
U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Game Creek.

The following is a correct report of operations and production (including drilling and producing wells) for the month of October 1926, 1926.

Agent's address Heber, Utah.

Company The Midwest Exploration Co.

Signed Celene Smith

Agent's title Field Supt.

Phone

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Frank					/	/	/	/	/	Drilling 4840'
XII-6	275	213	1	51						

NOTE.—There were 100 runs or sales of oil;

runs or sales of gasoline; 100 runs or sales of gas;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 6th of the succeeding month unless otherwise directed by the supervisor.

San Juan County
Cane Creek

6 Midwest Exploration Co., Frank Shaffer #1
NW 1/4 NE 1/4 Sec. 6-27S-21E

SL 026375

CANE CREEK:

OCT

Midwest Exploration Co., Frank
Shaffer #1, NW 1/4 NE 1/4 Sec. 6, T. 27 S., R. 21 E.
(SL 026375)*

* This well was formerly on permit SL 026375. Due to reclassification of permit areas has placed it on permit SL 026375.

Drilled at 4435' and still in salt. This will be completed as soon as State will allow. No further work as yet. In the event that further hole cannot be run, the well will be plugged back to 3645' and a test of the oil showing in the 4435' will be made. If no gas is found, the well will be abandoned. If gas is found, the well will be completed as soon as possible. The test on Sec. 20, T. 27 S., R. 21 E. will be run down to test this horizon.

NOV 1926 Midwest Exploration Co., Frank
Shaffer #1, NW 1/4 NE 1/4 Sec. 6-27S-21E (SL 026375)

Gas and oil were encountered at 4976' and the tools were raised up the hole about 100 feet, where they bridged. A downhole gas flow moved the tools up the hole to 3645' where the hole is now bridged. There are about 300' of oil standing on top of the gas. The 4 1/2" casing will be raised to facilitate completion.

Cane Creek:

DEC 1926 Midwest Exploration Co. F. Shaffer #1
NW 1/4 NE 1/4 Sec. 6-27S-21E (SL 026375)

The tools have been sidetracked at 3645 in the salt with the 4" string of tools. A 6" string of tools was forced to 3700'. The well is showing gas and no increase in oil with 100 ft. of casings in the hole. Operations are temporarily suspended.

Midwest Exploration Co. F. Shaffer #1
NW 1/4 NE 1/4 Sec. 6-27S-21E (SL 026375)
JAN 1927 Operations have been suspended for the past month awaiting the arrival of a string of 4 1/2" seamless casing. Oil from the 4700' horizon has been drilling up thru a mud line at the rate of 2 to 5 bbls. a day. The following analysis was made by G.L. Hickey, Chemist, of the Utah Oil & Refining Co.

Residue:

Initial boiling point	140° F.
Gasoline content	27 to 30%
Water content	14 to 16%
Gasoline content	14 to 16%
Distilling Oil	20%
Crude oil	20%
Gravity 40/60	

(Information Jack Major)

FEB 1927 Midwest Exploration Co.
F. Shaffer #1 NW 1/4 NE 1/4 Sec. 6-27S-21E

Operations this month consisted of running pipe and cleaning out. Considerable time was spent drilling up bridge and wire line. The well is to date drilling up steel assumed to be wire line or iron. The hole is filled with mud fluid.
(Information Jack Major)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSalt Lake
U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT
026375
Permit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Moab Field Cane CreekThe following is a correct report of operations and production (including drilling and producing wells) for the month of November 1926.Agent's address Moab, Utah Company The Midwest Exploration CompanySigned S. E. D. N. G. M.Agent's title District Mgr.,

Phone _____

SEC. AND $\frac{1}{4}$ OF $\frac{1}{4}$	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
ME 1-6	27S	21E	1	30	0	•	0	0	0	Depth 4976' Lost tools, Fishing for tools, Very slight showing of oil and some gas at 4976'

Note.—There were 50 runs or sales of oil; 50 runs or sales of gas;50 runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 6th of the succeeding month unless otherwise directed by the supervisor.

Between 1700' and 1800', "Gypsy" gas was encountered. This analysis was made by Mr. Young, of the Midwest Refining Company.

Hydrogen	95.0%
Helium	.07.3%
Oxygen	0.23%
Residue calculated as nitrogen	23.05%
Calculated gravity	.77%
Observed gravity	.77%

This analysis was made by Mr. Young, of the Midwest Refining Company. Nothing in this analysis showed what might have caused formation of the gas in those layers. The workers, except possibly the nitrogen content, appear to be largely exhausted itself.

A later report from the company stated that another well was drilled at 1900' in the amount of 1,000 ft. which surveyed to be salt water. Green oil. The gas was encountered at a drilling depth of 1900'. A sample of this gas will be sent to the Helium Section at Washington, for analysis. (Company report -- 11-23-37)

Midwest Exploration Co., M. & E. Co., Inc.
Dec. 1926 Name Sec. 6-275-14, S. L. Denver

The details of the gash which occurred while drilled was in progress at the time of the accident. It is now at the company's Denver office, therefore, no report has been made.

Unofficial estimates of the production from this well are as follows:

bbls. daily. A preliminary analysis of the crude oil by the Midwest Refining Co. follows:

Gravity.....	.87.5
Initial Boiling Point.....	140 degrees F.
Gasoline.....	17.2 %
Water White Kerosene.....	14.2 %
Gas Oil.....	9.8 %
Dry Distillate.....	17.8 %
Coke (approximately).....	1.1 %
Sulphur (approximately).....	.5 %

The Gypsy Oil Co., W. & W. Oil Co., and the Gas Co. of the Oil Co. have all applied in permits on this structure, and if this well proves to be a producer as predicted, this area will be used a lot of activity during the coming year. Operating in this area is difficult at present due to lack of roads. It was necessary for the company to float all equipment down the river in barges from Green River or to truck it from Thompson, the nearest railhead, up.

The derrick over the dry hole on the land in permit No. 10, Larimer, Arapahoe is being torn down and moved to Mab to replace the broken one.

Samples of salt occurring between 1700 and 1800' will be sent to Washington for analysis. The Company reports that only a trace of salt was found in the upper (1800-1900').

POOR COPY

FORD
Revised 3
329
10, 1928

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Sale Lake
U.S. LAND OFFICE
SERIAL NO. 024375
LEASE OR PERMIT
Permit.

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Juab File Cape Creek.
The following is a correct report of operations and production (including drilling and producing wells)
for the month December 1928, 1928.

Agent's address Moab, Utah

Company The Midwest Exploration Company.

Signed A. M. S.

Agent's Street Moab, Utah

Phone

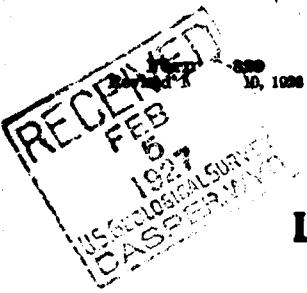
SEC. AND $\frac{1}{4}$ OF $\frac{1}{4}$	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shutdown, cause; date and result of test for gasoline content of gas)
SB 1-6 273 21B	1	21			0	0	0	0	0	Depth 4976' Fishing for tools. Shutdown waiting on string of 4 3/4" seamless casing.

Frank Shafer Well.

SB 1-6 273 21B 1 21

Note.—There were 0 runs or sales of oil; 0 runs or sales of gas;

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 6th of the succeeding month unless otherwise directed by the supervisor.



DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Cane Creek

The following is a correct report of operations and production (including drilling and producing wells) for the month of January 1927, 1927.

Agent's address North Park Company The Midwest Exploration Company.

Signed J. Morgan

Agent's title Dist. Mgr.

Phone

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Frank Shaffer Well	NE-4	27S	E1E	1	0	0	0	0	0	Depth 4970' Shutdown waiting on string of 4 3/4" Seamless Casing.

Note.—This well produced 0 barrels or sales of oil, 0 barrels or sales of gas;

Note.—Produced 0 barrels or sales of oil, 0 barrels or sales of gas during the month. (Write "no" where applicable.)

Note.—Reported 0 barrels or sales of oil, 0 barrels or sales of gas during the month. (Write "no" where applicable.)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE Salt Lake
SERIAL NUMBER 026370
LEASE OR PERMIT Permit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Cane Creek.

The following is a correct report of operations and production (including drilling and producing wells)
for the month of February 1927. 192

Agent's address Mead, Utah

Company The Midwest Exploration Company

Signed J. L. Johnson

Agent's title Dist. Supt.

Phone

SEC. AND $\frac{1}{4}$ OF $\frac{1}{4}$	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shutdown, cause; date and result of test for gasoline content of gas)
10-6	378	21E	1	28	0	0	0	0	0	4976' Fishing for and sidetracking 4 3/4" Tools.

NOTE.—There were No runs or sales of oil; No runs or sales of gas;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE
SERIAL NUMBER 00000000
LEASE OR PERMIT Permit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Salt Lake Field Cane CreekThe following is a correct report of operations and production (including drilling and producing wells) for the month of March 1927, 1927Agent's address Maple, Utah Company The Midwest Exploration CompanySigned J. H. JohnsonPhone _____ Agent's title Dist. Sales

SEC. AND X OF X	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and results of test for gasoline content of gas)
Frank Shafer Well No. 1 CANE STRUCTURE	278	212	1	11	•	•	•	•	•	4979' - 5000' Salt. Shutdown. Work Further orders.

Note.—There were 0 runs or sales of oil; 0 runs or sales of gas;No

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 5th of the succeeding month unless otherwise directed by the supervisor.

San Juan County

Cane Creek

cont

SL 02632

57-10^d at Explor. Frank Shafer #1, NWNW 6, 275, 21E
SIL.
for rottens

MAR 1927

Midwest Exploration Co. P. Shaffer
fl. Hwy NE-6-27N-21E

The Showman

The showing encountered at 4976' failed to develop production at this horizon. The well was drilled 4 ft. deeper to 4980' to a limy shale and anhydrite. Iron, thought to be part of a string of tools was side tracked between 4950 and 4965'. The well will not be drilled deeper until a string of pipe can be run by the sidetracked tools. (Mr. Brewell, Utah Oil Rg. Co. 3/21/27)

CANE CREEK: Midwest Exploration Co., F. Shaffer M.
APR 1927 NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-27S-21E. (S.L. 026375).

Shut down at 5,000°. (Mr. Bramwell, Utah Oil Refining Co.,
4-24-27).

CAKE CREEK.

MAY 1927 Interest Exploration Co., P. Shafer fl,
JUN 1927 W.M. Sec. 6-378-21E. (S.L. 024575).

JUN 1921 ~~SEARCHED SERIALIZED INDEXED FILED~~ (S. L. 021-76).

~~start down at 5000': (longer)~~

1921 went down at 5000'. (Lanser's resort)
Utah Sept 1 1921

Utah Southern Oil Co., Frank Shafer,
Bell St. MURK Sec. 6-27S-21E (S.L. 08457)

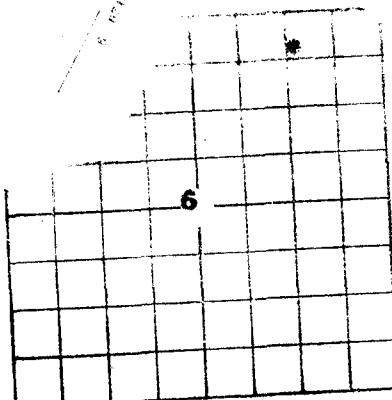
83

This well was originally drilled by the Midwest Exploration Co. from April, 1925, to Feb., 1927. A depth of 5,000' was reached and operations suspended. A good showing of oil was encountered at 2,024', in fact the well produced considerable oil at this point, but water could not be shut off so the hole was continued. At 3,640' a small showing of oil was again encountered, in a shale formation.

Work was resumed on the well by the Utah Southern in Sept., 1927, with the hope of being able to produce one of the oil horizons passed through. The $4\frac{1}{2}$ " which was left hanging at 3,750' was found to be frozen and had to be ripped off at approximately 2,680', this has just been pulled and work will start on the removal of the $6\frac{1}{4}$ " casing immediately. The $6\frac{1}{4}$ " is cemented at 3,272', and will have to be ripped at the same point that the $4\frac{1}{2}$ " was ripped. Under these circumstances it seems improbable that a test can be made of the small showings at 3,640', and the Company is placing its hopes on the 2,934' horizon for production. (Mr. Hansen, 10-28-27).

NOV 1927

Utah Southern Mill Co., Frank Shafer (L.)



LOCATE WELL CORRECTLY

S. L. A.

S. LAND OFFICE **Salt Lake**
SERIAL NUMBER **204575**
LEASE OR PERMIT **Permit**

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION

LOG OF OIL OR GAS WELL

Company **Utah Southern Oil Company,**

Address **Salt Lake City, Utah.**

Lessor or Tract **Government.**

Field **Cane Creek,** State **Utah.**

Well No. **1** Sec. **5** T.**27S** R.**21E** Meridian **Salt Lake**, County **San Juan**

Location **625** ft. **(S.)** **2503 and 2035** ft. **(W.)** of **SW corner.** Elevation **5844**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed *R. J. Morgan*

Title **General Superintendent.**

Date **September 28, 1927.**

The summary on this page is for the condition of the well at above date.

Commenced drilling **April 11,** 19**26** Finished drilling **September 28, 1927.**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2022** **041** to **2025.**
No. 2, from **3640** **041** to **3650.**
No. 3, from _____ to _____

No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **2022** **Water.** to _____
No. 2, from _____ to _____

No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
20"	50	8		70	Plain				
					"				
15 1/2"	70	8		891	"				
					"				
12 1/2"	50	8		1400	"				
					"				
10"	45	8		2024	"				
					"				
8 1/2"	35	10		2024	"				
					"				
6 1/2"	20	10		3272	"				
					"				
4 1/2"	10	10		5700	"				
					"				

CASING OR TOOLS LOST OR SIDETRACKED

From **3685** to **3700** Description **During of 4" tools.**
From _____ to _____ Description _____
From _____ to _____ Description _____
From _____ to _____ Description _____

182	891	50	Working - 2 plug - one end. Detonated after 10 sec.
175	2005	86	2 plug - suddenly.
125	2025	54	2 plug - packed with a bullet.
105	2024	100	2 plug - detonated job did not ignite.
81	2072	60	2 plug - packed with 100 gms.
61			PALOS AND ADAPTERS

Heaving plug - Material

Adapters - Material

Length Depth set

Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from feet to feet; and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19.....

Put to producing , 19.....

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment.

Gravity, °Bé.

If gas well, cu. ft. per 24 hours

Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Linde

Lytle

, Driller

Miller

Arrell

, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	25	25	Surface sand.
25	45	20	Sand and lime.
45	55	10	Sand gravel.
55	65	8	Gray shale.
65	70	5	Gray limestone.
65	82	12	Sand - carrying water.
70	85	5	Gray shale.
82	95	13	Sand.
85	95	10	Gray shale.
95	115	20	Limestone.
115	120	5	Brown Sandy shale.
120	140	10	Brown Sand.
140	150	10	Brown shale.
150	152	2	White limestone.
152	158	6	Gray shale.
158	200	12	White limestone.
200	217	17	Brown Sand.
	~	2	

FORMATION RECORD—Continued.

FROM	TO	TOTAL FEET	FORMATION
227	227	18	Brown shale.
227	230	3	Grey shale.
229	232	3	Grey limestone.
232	235	4	Grey shale.
235	238	10	Grey limestone.
238	241	6	Grey shale.
241	244	9	Grey limestone.
244	247	5	Grey shale.
247	250	7	Grey limestone.
250	253	4	Grey shale.
253	256	10	Grey limestone.
256	259	6	Grey shale.
259	262	9	Grey limestone.
262	265	5	Grey shale.
265	268	7	Grey sandy shale.
268	271	14	Green Shale.
271	274	15	Brown sandy limestone.
274	277	11	Grey sandy limestone.
277	280	14	Brown sandy limestone.
280	283	6	Grey sandy limestone.
283	286	2	Grey shale.
286	289	6	Grey limestone (very hard).
289	292	3	Brown sand.
292	295	6	Grey limestone.
295	298	22	Grey shale.
298	301	8	Grey limestone - sandy.
301	304	7	Grey shale.
304	307	30	Grey limestone (very hard).
307	310	22	Grey sandy limestone.
310	313	3	Grey limestone.
313	316	9	Green sandy lime.
316	319	3	Grey limestone.
319	322	2	Grey shale.
322	325	18	Lime - black and grey.
325	328	2	Black shale.
328	331	1	White lime.
331	334	1	Grey lime.
334	337	1	Black lime.
337	340	1	Black shale.
340	343	1	Grey lime.
343	346	1	Grey lime.
346	349	1	Grey lime.
349	352	1	Black lime.
352	355	1	Grey lime.
355	358	1	Grey lime.
358	361	1	Grey lime.
361	364	1	Grey lime.
364	367	1	Grey lime.
367	370	1	Grey lime.
370	373	1	Grey lime.
373	376	1	Grey lime.
376	379	1	Grey lime.
379	382	1	Grey lime.
382	385	1	Grey lime.
385	388	1	Grey lime.
388	391	1	Grey lime.
391	394	1	Grey lime.
394	397	1	Grey lime.
397	400	1	Grey lime.
400	403	1	Grey lime.
403	406	1	Grey lime.
406	409	1	Grey lime.
409	412	1	Grey lime.
412	415	1	Grey lime.
415	418	1	Grey lime.
418	421	1	Grey lime.
421	424	1	Grey lime.
424	427	1	Grey lime.
427	430	1	Grey lime.
430	433	1	Grey lime.
433	436	1	Grey lime.
436	439	1	Grey lime.
439	442	1	Grey lime.
442	445	1	Grey lime.
445	448	1	Grey lime.
448	451	1	Grey lime.
451	454	1	Grey lime.
454	457	1	Grey lime.
457	460	1	Grey lime.
460	463	1	Grey lime.
463	466	1	Grey lime.
466	469	1	Grey lime.
469	472	1	Grey lime.
472	475	1	Grey lime.
475	478	1	Grey lime.
478	481	1	Grey lime.
481	484	1	Grey lime.
484	487	1	Grey lime.
487	490	1	Grey lime.
490	493	1	Grey lime.
493	496	1	Grey lime.
496	499	1	Grey lime.
499	502	1	Grey lime.
502	505	1	Grey lime.
505	508	1	Grey lime.
508	511	1	Grey lime.
511	514	1	Grey lime.
514	517	1	Grey lime.
517	520	1	Grey lime.
520	523	1	Grey lime.
523	526	1	Grey lime.
526	529	1	Grey lime.
529	532	1	Grey lime.
532	535	1	Grey lime.
535	538	1	Grey lime.
538	541	1	Grey lime.
541	544	1	Grey lime.
544	547	1	Grey lime.
547	550	1	Grey lime.
550	553	1	Grey lime.
553	556	1	Grey lime.
556	559	1	Grey lime.
559	562	1	Grey lime.
562	565	1	Grey lime.
565	568	1	Grey lime.
568	571	1	Grey lime.
571	574	1	Grey lime.
574	577	1	Grey lime.
577	580	1	Grey lime.
580	583	1	Grey lime.
583	586	1	Grey lime.
586	589	1	Grey lime.
589	592	1	Grey lime.
592	595	1	Grey lime.
595	598	1	Grey lime.
598	601	1	Grey lime.
601	604	1	Grey lime.
604	607	1	Grey lime.
607	610	1	Grey lime.
610	613	1	Grey lime.
613	616	1	Grey lime.
616	619	1	Grey lime.
619	622	1	Grey lime.
622	625	1	Grey lime.
625	628	1	Grey lime.
628	631	1	Grey lime.
631	634	1	Grey lime.
634	637	1	Grey lime.
637	640	1	Grey lime.
640	643	1	Grey lime.
643	646	1	Grey lime.
646	649	1	Grey lime.
649	652	1	Grey lime.
652	655	1	Grey lime.
655	658	1	Grey lime.
658	661	1	Grey lime.
661	664	1	Grey lime.
664	667	1	Grey lime.
667	670	1	Grey lime.
670	673	1	Grey lime.
673	676	1	Grey lime.
676	679	1	Grey lime.
679	682	1	Grey lime.
682	685	1	Grey lime.
685	688	1	Grey lime.
688	691	1	Grey lime.
691	694	1	Grey lime.
694	697	1	Grey lime.
697	700	1	Grey lime.
700	703	1	Grey lime.
703	706	1	Grey lime.
706	709	1	Grey lime.
709	712	1	Grey lime.
712	715	1	Grey lime.
715	718	1	Grey lime.
718	721	1	Grey lime.
721	724	1	Grey lime.
724	727	1	Grey lime.
727	730	1	Grey lime.
730	733	1	Grey lime.
733	736	1	Grey lime.
736	739	1	Grey lime.
739	742	1	Grey lime.
742	745	1	Grey lime.
745	748	1	Grey lime.
748	751	1	Grey lime.
751	754	1	Grey lime.
754	757	1	Grey lime.
757	760	1	Grey lime.
760	763	1	Grey lime.
763	766	1	Grey lime.
766	769	1	Grey lime.
769	772	1	Grey lime.
772	775	1	Grey lime.
775	778	1	Grey lime.
778	781	1	Grey lime.
781	784	1	Grey lime.
784	787	1	Grey lime.
787	790	1	Grey lime.
790	793	1	Grey lime.
793	796	1	Grey lime.
796	799	1	Grey lime.
799	802	1	Grey lime.
802	805	1	Grey lime.
805	808	1	Grey lime.
808	811	1	Grey lime.
811	814	1	Grey lime.
814	817	1	Grey lime.
817	820	1	Grey lime.
820	823	1	Grey lime.
823	826	1	Grey lime.
826	829	1	Grey lime.
829	832	1	Grey lime.
832	835	1	Grey lime.
835	838	1	Grey lime.
838	841	1	Grey lime.
841	844	1	Grey lime.
844	847	1	Grey lime.
847	850	1	Grey lime.
850	853	1	Grey lime.
853	856	1	Grey lime.
856	859	1	Grey lime.
859	862	1	Grey lime.
862	865	1	Grey lime.
865	868	1	Grey lime.
868	871	1	Grey lime.
871	874	1	Grey lime.
874	877	1	Grey lime.
877	880	1	Grey lime.
880	883	1	Grey lime.
883	886	1	Grey lime.
886	889	1	Grey lime.
889	892	1	Grey lime.
892	895	1	Grey lime.
895	898	1	Grey lime.
898	901	1	Grey lime.
901	904	1	Grey lime.
904	907	1	Grey lime.
907	910	1	Grey lime.
910	913	1	Grey lime.
913	916	1	Grey lime.
916	919	1	Grey lime.
919	922	1	Grey lime.
922	925	1	Grey lime.
925	928	1	Grey lime.
928	931	1	Grey lime.
931	934	1	Grey lime.
934	937	1	Grey lime.
937	940	1	Grey lime.
940	943	1	Grey lime.
943	946	1	Grey lime.
946	949	1	Grey lime.
949	952	1	Grey lime.
952	955	1	Grey lime.
955	958	1	Grey lime.
958	961	1	Grey lime.
961	964	1	Grey lime.
964	967	1	Grey lime.
967	970	1	Grey lime.
970	973	1	Grey lime.
973	976	1	Grey lime.
976	979	1	Grey lime.
979	982	1	Grey lime.
982	985	1	Grey lime.
985	988	1	Grey lime.
988	991	1	Grey lime.
991	994	1	Grey lime.
994	997	1	Grey lime.
997	1000	1	Grey lime.
1000	1003	1	Grey lime.
1003	1006	1	Grey lime.
1006	1009	1	Grey lime.
1009	1012	1	Grey lime.
1012	1015	1	Grey lime.
1015	1018	1	Grey lime.
1018	1021	1	Grey lime.
1021	1024	1	Grey lime.
1024	1027	1	Grey lime.
1027	1030	1	Grey lime.
1030	1033	1	Grey lime.
1033	1036	1	Grey lime.
1036	1039	1	Grey lime.
1039	1042	1	Grey lime.
1042	1045	1	Grey lime.
1045	1048	1	Grey lime.
1048	1051	1	Grey lime.
1051	1054	1	Grey lime.
1054	1057	1	Grey lime.
1057	1060	1	Grey lime.
1060	1063	1	Grey lime.
1063	1066	1	Grey lime.
1066	1069	1	Grey lime.
1069	1072	1	Grey lime.
1072	1075	1	Grey lime.
1075	1078	1	Grey lime.
1078	1081	1	Grey lime.
1081	1084	1	Grey lime.
1084	1087	1	Grey lime.
1087	1090	1	Grey lime.
1090	1093	1	Grey lime.
1093	1096	1	Grey lime.
1096	1099	1	Grey lime.
1099	1102	1	Grey lime.
1102	1105	1	Grey lime.
1105	1108	1	Grey lime.
1108	1111	1	Grey lime.
1111	1114	1	Grey lime.
1114	1117	1	Grey lime.
1117	1120	1	Grey lime.
1120	1123	1	Grey lime.
1123	1126	1	Grey lime.
1126	1129	1	Grey lime.
1129	1132	1	Grey lime.
1132	1135	1	Grey lime.
1135	1138	1	Grey lime.
1138	1141	1	Grey lime.
1141	1144	1	Grey lime.
1144	1147	1	Grey lime.
1147	1150	1	Grey lime.
1150	1153	1	Grey lime.
1153	1156	1	Grey lime.
1156	1159	1	Grey lime.
1159	1162	1	Grey lime.
1162	1165	1	Grey lime.
1165	1168	1	Grey lime.
1168	1171	1	Grey lime.
1171	1174	1	Grey lime.
1174	1177	1	Grey lime.
1177	1180	1	Grey lime.
1180	1183	1	Grey lime.
1183	1186	1	Grey lime.
1186	1189	1	Grey lime.
1189	1192	1	Grey lime.
1192	1195	1	Grey lime.
1195	1198	1	Grey lime.
1198	1201	1	Grey lime.
1201	1204	1	Grey lime.
1204	1207	1	Grey lime.
1207	1210	1	Grey

1425	1426	12	green shale.
1425	1427	?	brown shale.
1428	1428	19	black shale.
1451	1452	1	Shall.
1452	1453	14	shale and sand.
1466	1473	9	gray shale - slightly sandy.
1475	1489	14	gray lime - with streaks of gypsum.
1489	1498	7	gray lime.
1496	1498	2	gray shale.
1498	1503	5	gray lime - showing salt.
1503	1545	42	salt.
1545	1563	18	salt, lime and shale.
1563	1565	2	gray lime.
1565	1632	67	brown shale.
1632	1666	28	gray lime.
1665	1833	175	salt.
1833	1855	2	gray lime shell.
1855	1865	30	gray shale.
1865	1890	125	salt. More gas at 1890 with slight show of oil.
1890	2022	32	Alternating beds of sand, shale, salt and a little lime. Hard shell at 2022 with 600 bbl. flow of water on top of shell. Formation - ? Oil and gas flowed at 2025 and rig burned down.
2025	2026	3	Gypsum & iron.
2027		2	gray sandy lime.
2056		31	black shale.
2065		5	lime shell.
2066		3	salt.
2145		79	lime shell.
2147		2	salt.
2150		41	lime shell.
2150		1	salt.
2153		4	lime shell.
2194		1	salt and gypsum.
2225		59	lime.
2256		2	salt.
2263		8	lime shell.
2265		2	salt - showing of shale and gypsum.
2265		28	lime shell.
2265		5	salt.
2265		46	black shale.
2265		5	salt - showing of shale and gypsum.
2265		50	hard shell.
2275		5	salt.
2275		51	black shale.
2275		5	salt.
2275		51	black shale - streaks of gypsum.
2275		55	salt - showing of gypsum.
2275		5	hard shell.
2275		71	salt - carrying gypsum.
2275		2	black shale.
2275		30	grey shale.
2275		122	salt
2275		1	hard shell

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

, 19.....

Put to producing , 19.....

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

, Driller

, Driller

, Driller

, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
2727	2750	23	Shale and salt
2750	2753	3	Hard lime shell.
2753	2815	62	Salt.
2815	2816	1	Hard shell.
2816	2830	14	Lime and black shale.
2830	2852	22	Grey shale.
2852	2857	5	Shell.
2857	2970	113	Salt.
2970	2972	2	Hard shell.
2972	3007	35	Salt and gypsum.
3007	3008	1	Lime shell.
3008	3027	19	Black shale.
2027	3258	221	Salt.
3258	3345	87	Black shale.
3345	3383	38	Salt.
3383	3385	2	Lime shell.
3385	3391	6	Sandy shale.

(OVER)

6-6745

FORMATION RECORD—Continued.

FROM	TO	TOTAL FEET	FORMATION
3391	3409	18	Salt.
3409	3413	4	Sandy.
3413	3422	9	Salt.
3422	3457	35	Black shale.
3457	3514	57	Gray sandy shale.
3514	3622	108	Salt.
3622	3627	5	Black shale.
3627	3633	6	Sandy shale with sand, salt, lime. Pocket of gas and show of oil at 3628'. Pocket of gas at 3633 & 3642'.
3633	3650	17	Black shale.
3650	3670	20	Gypsum. Core sample taken at 3651 to 3652.
3670	3673	3	Gray sandy shale.
3673	3679	6	Salt.
3679	3688	9	Gray sandy shale.
3688	3693	165	Salt.
3693	3859	6	Sand.
3859	3865	6	Sand, shale & gypsum.
3865	3887	22	Black shale.
3887	4057	170	Black shale with salt and gypsum.
4057	4066	9	Black shale
4066	4067	1	Hard shell
4067	4125	58	Gypsum with sand, salt and lime.
4125	4196	71	Salt.
4196	4198	2	Hard shell.
4198	4228	30	Salt
4228	4230	2	Shell
4230	4272	42	Salt
4272	4300	28	Gypsum with sandy shale.
4300	4302	2	Hard shell - show of gas.
4302	4329	27	Gray sandy shale with gypsum.
4329	4336	6	Gray shale.
4336	4345	10	Salt.
4345	4357	18	Black shale with streaks of iron pyrites found at 4357'.
4350	4360	2	Black shale.
4360	4375	15	Salt
4375	4396	21	Black shale
4396	4450	54	Salt
4450	4465	15	Gray sandy shale
4465	4500	45	Gray sandy shale and salt.
4500	4520	12	Salt
4520	4530	10	Gray sandy shale
4530	4550	9	Salt, gypsum and sand.
4550	4552	13	Salt
4552	4555	15	Gray sandy shale.
4555	4560	15	Salt and shales
4560	4565	6	Gray sandy shale
4565	4570	2	Hard shell
4570	4579	10	Salt
4579	4585	5	Gray shale
4585	4755	20	Black shale
4755	4765	10	Black shale

4940	4945
4945	4950
4950	4955
4955	4960
4960	4965
4965	4970
4970	4975
4975	4980
4980	4985
4985	4990
4990	4995
4995	5000
TOTAL DEPTH	

50
15
70
66
32
1
2
49
5000

[REDACTED]

50
 Gray shale
 Salt
 Black sandy shale
 Salt
 Hard shell - slight show of oil
 Salt carrying gypsum
 Salt

SLOW DOWN

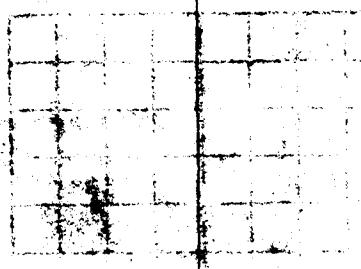
(March 11, 1927)

THE END OF THE DAY

RECORD OF DRILLING

ROCKS OF WHICH

THE LENGTH OF THE TRENCH



RECEIVED
MAY
4
1927
U.S. GEOLOGICAL SURVEY
CASE

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Salt Lake
U. S. LAND OFFICE 026575
SERIAL NUMBER _____
LEASE OR PERMIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

Utah

San Juan

Cane Creek.

State _____ County _____ Field _____

The following is a correct report of operations and production (including drilling and producing wells) for the month of April 1927, 1927.

Agent's address _____ Company _____

Phone _____ Signed _____ Agent's title _____

SEC. AND # OF 16	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
200-6	278	213	1	0	0	0	0	0	0	5000' Shutdown until further orders.

Shut down to
August 1927

Note.—There were _____ runs or sales of oil; _____ runs or sales of gas;

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 5th of the succeeding month unless otherwise directed by the supervisor.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. Land Office Salt Lake
Serial Number 026376
Lease or Permit Permit

SUNDRY NOTICES AND REPORTS ON WELLS

(INDICATE NATURE OF DATA BY CHECKING)

NOTICE OF INTENTION TO DRILL	SUBSEQUENT RECORD OF SHOOTING	SALT LAKE CITY, UTAH
NOTICE OF INTENTION TO CHANGE PLANS	RECORD OF PERFORATING CASING	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	DOCK
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO ABANDON WELL	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO SHOOT	SUPPLEMENTARY WELL HISTORY	

GEOLOGICAL SURVEY

F. D. ...

OCT 8 1927

SALT LAKE CITY, UTAH

Salt Lake City, Utah, September 27, 1927.

Following is a {notice of intention to do work} on land under {permit} described as follows:

Utah San Juan Cane Creek
(State or Territory) (County or Subdivision) (Field)
Well No. Frank Shaffer No. 1 sec. 8, Twp. 57 S. Range 21 E. Sec. 8
(Sec.) (Twp.) (Range) (Meridian)

The well is located 1000 ft. [N] of [] and 2000 ft. [W] of [] line of [] corner.

The elevation of the derrick floor above sea level is 2000 ft. STATE NUMBER OF AND EXPECTED DEPTHS TO OBJECTIVE SANDS.

SHOW SIZES, WEIGHTS AND LENGTHS OF PROPOSED CASINGS.
INDICATE MUDDING JOBS, CEMENTING POINTS AND ALL OTHER IMPORTANT PROPOSED WORK.

Details of Plan of Work:

We propose to pull 4 1/4 inch pipe now hanging at 2000 feet. Then test for oil a shale horizon at 2000 feet. If no results, then seal off shale with cement plug. Then rig and pull 6 1/4 inch pipe down to bottom at 3000 feet (?). Then pipe out oil from bottom and give a maximum long stroke pump with pump of oil horizon at 2000 feet.

This plan was approved by H. C. Barton, Geological Survey, Salt Lake City.

THE BOUNDARY LINES OF OIL SHOWINGS IN THIS WELL ARE APPROVED WITH THE UNDERSTANDING THAT NO OIL WILL BE DRAWN IF PLUGGED AND NO COMMERCIAL SELLING IN THE EVENT THE WELL IS DRAINED.

Approved OCTOBER 8, 1927

Company DEAN SOUTHERN OIL COMPANY

By .

Title

Title President

BUREAU OF MINES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SERIAL NUMBER 026375
LEASE OR PERMIT Permit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah

County Bonneville

City Gene Creek

The following is a report of oil and gas operations conducted (including drilling and producing wells) for the month of September, 1927.

Agent's address

Box 100, Gene Creek, Utah Southern Oil Company,

Signed

Phone

Agent's title

President.

REC. AND NO. OF 14	TWP.	RANGE	WELL NO.	TYPE	BARREL S.	BARRELS OF OIL	REMARKS

Frank Shafer Well

NE $\frac{1}{4}$ - 6 27S 21E No. 1 0

Pulling 4 $\frac{1}{4}$ " and
6 $\frac{1}{4}$ " pipe and plugging
back for test in
accordance with
Bureau of Mines
instructions.

Note.—There were runs or sales of oil; runs or sales of gas;

..... runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 6th of the succeeding month unless otherwise directed by the supervisor.

RECEIVED
NOV 1 1926
1927
U.S. GEOLOGICAL SURVEY
Casper, Wyo.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
SERIAL NUMBER 026075
LEASE OR PERMIT POWERED

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Wyoming County Sheridan Field Camp Creek

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1927, 1927

Agent's address _____ Company UTAH SOUTHERN OIL COMPANY

Signed A. Hansen President

Phone _____ Agent's title _____

Sec. AND 1/4 OF SEC.	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if right down, cause; date and result of test for gasoline content of gas)
20-6	37-3	21E	#1	0						Plugged at 2007 sand. Preparing to pump water.

Note.—There were _____ runs or sales of oil; _____ runs or sales of gas; _____ runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 6th of the succeeding month unless otherwise directed by the supervisor.

RECEIVED
DEC 8
1927

U.S.GEOLOGICAL SURVEY
Casper, Wyo.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE, CASPER, WYO.
SERIAL NUMBER 400000
LEASE OR PERMIT NUMBER

LESSEE'S MONTHLY REPORT OF OPERATIONS

GEOLOGICAL SURVEY
RECEIVED

DEC 10 1927

SALT LAKE CITY, UTAH

State Utah County Salt Lake Field Dome Creek
The following is a correct report of operations and production (including drilling and prospecting) for the month of November, 1927, 1927
for the month of November, 1927, 1927
Agent's address 525 Cliff Building,
Salt Lake City, Utah.
Company UTAH SOUTHERN OIL COMPANY
Signed J. T. Wallace
Agent's title President

Phone

SEC. AND LINE NO.	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth of shot down, names date and result of test for gasoline content of gas)
100	375	212	11	Frank Shafer						Producing water and oil.

Note.—There were

runs or sales of oil

runs or sales of gas;

runs or sales of gasoline during the month. (Give "No" where applicable.)

Note.—Report on this form is required for each individual well, and must be filed in duplicate with the supervisor by the 5th of the following month unless otherwise directed by the supervisor.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE **Salt Lake**
SERIAL NUMBER **026375**
LEASE OR PERMIT **Permit**

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah **County** San Juan **Field** Cane Creek

The following is a correct report of operations and production (including drilling and producing wells) for the month of December 1927.

Agent's address 533 Clift Building, **Company** UTAH SOUTHERN OIL COMPANY

Salt Lake City, Utah

Phone _____ **Agent's title** President.

SEC. AND %	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY (IN THOUSANDS)	CU. FT. OF GAS (IN THOUSANDS)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (Drilling, depth; if shut down cause; date and result of test for gasoline content of gas)

NE 6 27S 21E Frank Shafer No. 1

Pumping discontinued
for three weeks waiting
for pump replacements.
Now resuming pumping
oil and water.

NOTE.—There were _____ runs or sales of oil; _____ runs or sales of gas;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in office of U. S. Land Office before the 10th day of the second month unless otherwise directed by the Commissioner.

RECEIVED
U.S. LAND OFFICE, SALT LAKE CITY
March 10, 1926

FEB
6

1928

U.S. GEOLOGICAL SURVEY
CASPER DIVISION

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE, Salt Lake City
SERIAL NUMBER 028376
LEASE OR PERMIT Permit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Dome Creek

The following is a correct report of operations and production (including drilling and producing wells)
for the month of January 1928, 1928

Agent's address 533 Clift Bldg. Company Utah Southern Oil Company
Salt Lake City, Utah. Signed J. D. Haas
Phone Naz. 8446 Agent's title President.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE 1/4 6	278	21E	Frank Shafer No. 1							Working on pump.

Note.—There were _____ runs or sales of oil; _____ runs or sales of gas;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)
Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 6th of the succeeding month unless otherwise directed by the supervisor.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE ~~Salt Lake~~
SERIAL NUMBER ~~62683~~
LEASE OR PERMIT ~~62683~~

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Salt Lake Field Cane Creek REC'D.
The following is a correct report of operations and production (including drilling and producing wells)
for the month of February, 1928., 1928
Agent's address 555 Clift Bldg. Company Utah Southern Oil Company,
Salt Lake City, Utah. Signed R. D. Johnson
Phone Was. 8446. Agent's title Superintendent.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE 1/4 S7E 21E			Frank Shafer No. 1							Closed down during this month. Will continue pumping next month.

NOTE.—There were runs or sales of oil; runs or sales of gas;

..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 6th of the succeeding month unless otherwise directed by the supervisor.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Salt Lake City
U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT
Permit
APR - 4 1928

1928
GEOLOGICAL SURVEY
Casper

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah

County San Juan

Field

Cane Creek

The following is a correct report of operations and production (including drilling and producing wells)
for the month of March 1928.

, 192

Agent's address 888 Clift Bldg.,
Salt Lake City, Utah.

Company UTAH SOUTHERN OIL COMPANY,

Signed J. J. Deacon

Phone Was. 9446.

Agent's title President.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 8	37S	21E	Frank Shaffer No. 1							Pumping. Salt water shows signs of de- hausting.

Note.—There were runs or sales of oil; runs or sales of gas;

..... runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 5th of the ensuing month unless otherwise directed by the supervisor.

6-1928

C O P Y

UTAH OIL REFINING COMPANY
RESEARCH DEPARTMENT

Experiment No. _____

Date 192

Subject Frank Shafer Well at Cane Creek, San Juan County, Utah. Sec. 6-27S-21E

Authorized by _____

Sample from Mr. Bramwell

Operators Lab.

Discussion: Characteristics of Crude:

Gr.-----38.3
Color-----Green, yellow cast
Pour test-----Below 0° F
Odor-----Characteristic of type.
Sulphur-----.098%
Coke-----.57% by weight.

Distillation:

Gravity	38.3
Over.	166
10.	280
20.	343
30.	418
40.	502
50.	584
60.	640
70.	674
80.	696
90.	730

Finished Gasoline - 24.0% of Crude.

Formation Record:

Casing Record

46' 0"	20"
691'	15 $\frac{1}{2}$ " cemented
1413'	12 $\frac{1}{2}$ " "
2019' 8"	10"
2024'	8 $\frac{1}{2}$ "
3206' 10"	6 $\frac{1}{2}$ "

CANE CREEK - Juan County, Oklahoma
 Shafer #1, Midwest Exploration Co.
 NE $\frac{1}{4}$ Sec. 6, T 27 S., R 21 E
 2035' from E
 625' from N.
 Elevation 4003'
 Commenced: 4-11-25
 Completed

Formation

Sandstone and surface formation	
River sand, water	
Gray shale	
Gray limestone, very hard	
Grayish brown sand, water	
Light gray shale	
Sand	
Gray shale	
Limestone	
Brown sandy shale	
Brown sand	
Brown shale	
White limestone, very hard	
Gray shale	
White limestone, very hard	
Brown sand	
Brown shale	
Gray shale	
Hard gray limestone	
Gray shale	
Dark gray limestone	
Gray shale	
Hard gray limestone	
Gray shale	
Hard gray limestone	
Sandy gray shale	

Top Bottom

0	25
25	55
55	63
63	70
70	82
82	85
85	95
95	115
115	130
130	140
140	150
150	162
162	186
186	200
200	217
217	219
219	237
237	240
240	332
332	336
336	352
352	356
356	358
358	366
366	368
368	373
373	390

- 20" - 90"

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
Brown sand	390	404
Gray sandy limestone, hard & abrasive	404	431
Brown sandy limestone	431	438
Gray sandy limestone, hard	438	450
Gray shale	450	452
Gray limestone, very hard	452	461
Hard gray limestone	461	495
Hard gray shale	495	517
Hard gray limestone	517	522
Sandy gray limestone	522	536
Hard gray limestone	536	543
Very hard gray shale	543	551
Gray limestone, very hard	551	603
Grayish brown lime	603	610
Gray limestone	610	630
Light gray sandy limestone	630	660
Hard gray limestone	660	785
Brown sandy lime	785	788
Hard gray limestone	788	887
Shale	887	891
Lime, extremely hard gray	891	895
Hard black lime	895	902
Gray lime, very hard	902	909
Blue shale	909	910
Hard white lime, fine	910	919
Hard gray lime, coarse	919	922
Hard lime, gray and black	922	935
Gray lime, hard coarse	935	945
Gray lime, little shale	945	960
Hard gray lime, brown-gray	960	964
Hard lime, dark gray	964	978
Hard brown lime, medium to very fine	978	992
Hard coarse brown lime	992	1002
Coarse brown shale	1002	1004
Hard brown lime	1004	1005
Brown lime and shale mixed	1005	1010
Hard brown lime	1010	1020
Hard brown lime showing little shale	1020	1025
Blue shale, very sticky	1025	1027
Hard gray lime	1027	1033
Hard gray lime, slightly sandy	1033	1037
Hard gray coarse lime	1037	1042
Hard gray lime	1042	1050
Hard shell, lime, gyp and quartzite	1050	1053
Hard gray lime	1053	1058
Black lime, shows clay or shale in it	1058	1067
Black lime	1067	1098
Black lime and gray shale	1098	1100
Black lime	1100	1107
Gray Lime	1107	1117
Gray sandy lime, Salt and Gyp	1117	1120

Formation

	<u>Top</u>	<u>Bottom</u>
Gray lime, very hard	1120	1127
Gray limel black shale	1127	1133
Dark gray lime	1133	1145
Light gray lime	1145	1167
Dark gray lime, some shale	1167	1176
Gray and white lime, very coarse	1176	1186
Light gray lime, hard, fine	1186	1195
Light gray lime, very rank gas	1195	1198
Light gray lime, hard and fine	1198	1205
Dark Brownish gray lime	1205	1213
Dark gray lime	1213	1228
Dark gray shale	1228	1239
Dark gray lime	1239	1249
Gray lime with gray sandy shale	1249	1252
Dark gray lime	1252	1287
Shale and lime, brown	1287	1290
Brown shale	1290	1309
Brown shale, dark blue or black rock very hard, smells and tastes like tar	1309	1311
Hard black lime, few white streaks	1311	1318
Very sticky blue shale	1318	1321
Very dark gray lime, hard	1321	1328
Light gray shale, slightly sandy	1328	1345
Light gray shale, very sticky	1345	1354
Light gray shale	1354	1360
Light blue shale	1360	1372
Gray lime	1372	1380
White formation (talc, chalk or gyp)	1380	1389
Light blue gray shale	1389	1397
Gray lime, showing gas	1397	1408
Brown lime	1408	1425
Brown shale, very dark	1425	1432
Black shale, very cavy	1432	1451
Shell, very hard	1451	.452
Shale and sand	1452	1455
Black shale	1455	1466
Gray shale, soft, slightly sandy	1466	1475
Gray lime, coarse, some crystalline rock like soapstone	1475	1482
Gray lime	1482	1496
Gray lime, showing salt	1496	1498
Gray lime, showing salt	1498	1503
Salt	1503	1545
Salt, lime and shale	1545	1563
Gray lime	1563	1565
Brown shale	1565	1635
Lime	1635	1655
Salt	1655	1833
Lime shell	1833	1835
Gray shale	1835	1865
Salt	1865	1990
Lime and shale in streaks	1990	2028

12 1/2 - 1408
Y6 Sacks
Per. mud.

N.S.O.

10 1/2 - 2025
50 Sacks
Per. mud.

8 1/2 - 2024
100 Sacks N.C.

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
Oil and gas in lime, rig burned 12-8-25		2028 <i>? Correction</i>
Corrected measurement	2028	=
Gypsum and iron	2025	2025
Gray sandy lime, some gypsum crystals	2027	2027
Gray sandy lime, very fine grained	2035	2035
Hard gray sandy lime	2041	2041
Soft, black cavy shale	2058	2063
Coarse gray lime shell	2063	2066
Salt	2066	2145
Hard lime shell	2145	2147
Salt	2147	2188
Hard lime Shell	2188	2189
Salt and Gypsum	2189	2193
Lime	2193	2194
Salt, very fine grained	2194	2253
Hard lime shell	2253	2255
Malt, small breaks blue shale and gypsum	2255	2263
Lime Shell	2263	2265
Salt, little shale and gypsum	2265	2293
Black shale	2293	2296
Salt little shale, gypsum ahd lime	2296	2342
Hard shell	2342	2345
Salt, very muddy	2345	2375
Black shale, cavy	2375	2378
Salt, soft, muddy	2378	2380
Salt, shale and gypsum	2380	2409
Black shale, soft cavy, streaked with gypsum	2409	2412
Salt, very soft and muddy, some black shale	2412	2415
Salt, considerable gypsum and pink crystalline -formation like alum.	2415	2455
Salt fine and white	2455	2508
Hard shell	2508	2511
Salt, fine white, and some gypsum	2511	2582
Black shale, cavy	2582	2584
Grey shale	2584	2604
Salt, fine white	2604	2726
Hard shell	2726	2727
Shale and salt	2727	2729
Salt, with samll gray shale breaks	2729	2750
Hard lime shell	2750	2753
Salt, fine and white	2753	2800
Salt, showing little gypsum	2800	2815
Hard shell	2815	2816
Gray porous lime	2816	2820
Lime and black shale	2820	2830

W.M. SCOTT'S DRILL LOG NO. 52

FORMATION RECORD - L. L. BAKER HILL NO. 1

Depth	Feet	Total Rock Formation	Description
2050	2057	3	Gypsum and iron.
2027	2034	81	Grey sandy lime.
2000	2008	8	Rust stains.
1936	1950	3	Lime shell.
1928	1945	17	Salt.
1912	1947	2	Lime shells.
1897	1938	41	Salt.
1883	1932	1	Lime shell.
1869	1935	1	Salt and gypsum.
1855	1937	1	Salt.
1841	1938	1	Salt.
1827	1938	1	Salt.
1813	1938	1	Salt.
1799	1938	1	Salt.
1785	1938	1	Salt.
1771	1938	1	Salt.
1757	1938	1	Salt.
1743	1938	1	Salt.
1729	1938	1	Salt.
1715	1938	1	Salt.
1691	1938	1	Salt.
1677	1938	1	Salt.
1663	1938	1	Salt.
1649	1938	1	Salt.
1635	1938	1	Salt.
1621	1938	1	Salt.
1607	1938	1	Salt.
1593	1938	1	Salt.
1579	1938	1	Salt.
1565	1938	1	Salt.
1551	1938	1	Salt.
1537	1938	1	Salt.
1523	1938	1	Salt.
1509	1938	1	Salt.
1495	1938	1	Salt.
1481	1938	1	Salt.
1467	1938	1	Salt.
1453	1938	1	Salt.
1439	1938	1	Salt.
1425	1938	1	Salt.
1411	1938	1	Salt.
1397	1938	1	Salt.
1383	1938	1	Salt.
1369	1938	1	Salt.
1355	1938	1	Salt.
1341	1938	1	Salt.
1327	1938	1	Salt.
1313	1938	1	Salt.
1299	1938	1	Salt.
1285	1938	1	Salt.
1271	1938	1	Salt.
1257	1938	1	Salt.
1243	1938	1	Salt.
1229	1938	1	Salt.
1215	1938	1	Salt.
1191	1938	1	Salt.
1177	1938	1	Salt.
1163	1938	1	Salt.
1149	1938	1	Salt.
1135	1938	1	Salt.
1121	1938	1	Salt.
1107	1938	1	Salt.
1093	1938	1	Salt.
1079	1938	1	Salt.
1065	1938	1	Salt.
1051	1938	1	Salt.
1037	1938	1	Salt.
1023	1938	1	Salt.
1009	1938	1	Salt.
995	1938	1	Salt.
981	1938	1	Salt.
967	1938	1	Salt.
953	1938	1	Salt.
939	1938	1	Salt.
925	1938	1	Salt.
911	1938	1	Salt.
897	1938	1	Salt.
883	1938	1	Salt.
869	1938	1	Salt.
855	1938	1	Salt.
841	1938	1	Salt.
827	1938	1	Salt.
813	1938	1	Salt.
800	1938	1	Salt.
786	1938	1	Salt.
772	1938	1	Salt.
758	1938	1	Salt.
744	1938	1	Salt.
730	1938	1	Salt.
716	1938	1	Salt.
702	1938	1	Salt.
688	1938	1	Salt.
674	1938	1	Salt.
660	1938	1	Salt.
646	1938	1	Salt.
632	1938	1	Salt.
618	1938	1	Salt.
604	1938	1	Salt.
590	1938	1	Salt.
576	1938	1	Salt.
562	1938	1	Salt.
548	1938	1	Salt.
534	1938	1	Salt.
520	1938	1	Salt.
506	1938	1	Salt.
492	1938	1	Salt.
478	1938	1	Salt.
464	1938	1	Salt.
450	1938	1	Salt.
436	1938	1	Salt.
422	1938	1	Salt.
408	1938	1	Salt.
394	1938	1	Salt.
380	1938	1	Salt.
366	1938	1	Salt.
352	1938	1	Salt.
338	1938	1	Salt.
324	1938	1	Salt.
310	1938	1	Salt.
296	1938	1	Salt.
282	1938	1	Salt.
268	1938	1	Salt.
254	1938	1	Salt.
240	1938	1	Salt.
226	1938	1	Salt.
212	1938	1	Salt.
198	1938	1	Salt.
184	1938	1	Salt.
170	1938	1	Salt.
156	1938	1	Salt.
142	1938	1	Salt.
128	1938	1	Salt.
114	1938	1	Salt.
100	1938	1	Salt.
86	1938	1	Salt.
72	1938	1	Salt.
58	1938	1	Salt.
44	1938	1	Salt.
30	1938	1	Salt.
16	1938	1	Salt.
2	1938	1	Salt.
1938	1938	1	Salt.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
SALT LAKE CITY
SERIAL NUMBER
LEASE OR PERMIT
026875
Permit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Cane Creek

The following is a correct report of operations and production (including drilling and producing wells) for the month of April 1928.

Agent's address 533 Clift Bldg. Company UTAH SOUTHERN OIL CO.

Salt Lake City, Utah.

Signed J. D. Anderson

Phone Wm. 8446. Agent's title President.

SEC. AND 1/4 OF SEC.	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shutdown, cause; date and result of test for gasoline content of gas)
NE 1/4 6	27S	21E	Frank Shafer No. 1.							Shut down.

Shut down
to Sept 1929

Note.—There were _____ runs or sales of oil; _____ runs or sales of gas;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in triplicate with the supervisor by the 6th of the succeeding month unless otherwise directed by the supervisor.

Page 4 - Murphy to Joe and sport, - re abandonment well No. 1, Permit
Salt Lake City 088876. Abandonment and plugging. October 25, 1928.

or stretch in this string or larger strings, all apparently being frozen at top from salt and sand which had washed in and filled the space between strings solid. Later after we perforated 8 $\frac{1}{2}$ inch at 2025 feet, tried to start circulation around same using up to 500 pounds pressure but were unable to get any returns back of 8 $\frac{1}{2}$ inch. Perforated 8 $\frac{1}{2}$ inch casing at 2025 foot letting in salt water and oil showing horizon at that point. After doing this put well on pump and pumped at several different periods during the winter of 1927-1928 but very erratically due to excessive trouble caused by accumulation of salt in tubing and working barrel. During this period found it practically impossible to pump more than 48 hours without cleaning or washing out tubing. Finally during the month of April 1928, after making some changes in pumping equipment, got the well pumped down and found out that apparently, if held in this condition by continuous pumping, it would probably make about 80 barrels of a very heavy brine salt water with possibly 2 or 3 barrels of oil. Since then have done nothing with well except pull tubing and pumping equipment. The oil-water ratio seemed to hold about the same at all times after first head of water was pumped off. From this we reached the conclusion that water and oil was coming together from the same porous horizon. The determination of this was the reason of the above test.

At this time wish to complete plugging and abandonment of well. We propose to shoot casing at several points from 2000 foot back several hundred feet or below where 12 $\frac{1}{2}$ inch is cemented and fill with mud to this point. In this manner believe mud will more effectively seal off the 2025 foot horizon than cement, due to our past experience in cementing at this point. Then put in bridge inside 8 $\frac{1}{2}$ inch, above where shot and drive a lead-wire plug on top of bridge and dump ten sacks of cement and still hole to surface mounting 4 foot marker at top. Will also cement bottom of well covering all strings of pipe left in hole. As stated above figure to physically impossible to pull any of the casing out in this hole at present. Believe the mud-cement job on larger sections of casing than run above 2000 foot back more effectively sealed off any possible porous horizons than anything we could do at this time, such as shooting sand.

REMARKS: With the condition that the shot to be used to burst the casing above 2025 foot and below the 12 $\frac{1}{2}$ inch casing cemented at 1600 feet be of sufficient size and strength to not only burst the 8 $\frac{1}{2}$ but also to burst the 6 $\frac{1}{2}$ and 10 $\frac{1}{2}$, which extend to 2024 feet and to 1800 feet respectively. All mud fluids used to be free from lime and sand and weight less than 10 pounds per gallon.

CONCLUSION: Although as you proposed in the above plan, mud fluid will probably completely protect the 2025 foot horizon, lowering by bottom of 10 or 15 inches of cement to the present bottom of the hole would do no damage, in fact, might cause a very unsatisfactory plugging fluid, even though it does not set in the hole.

Also subject to the conditions of the attached plugging & abiding rider.

SAN JUAN
Cane Creek

Utah Southern Oil Co., Frank Madson Jr., (S.L. 08656) N.W.H. Sec. 6-27S-21E

Frank
Utah Southern Oil Co., Shafer #1, NOV 1929
NWNE Sec. 6-27S-21E (S. L. 026375)

Formerly Midwest Exploration Co.
The hole was drilled to 5000 feet originally and encountered two shows of oil and gas. An attempt to plug back and test the show at 3640' was not successful due to the casing parting approximately 1000 feet above that depth. The hole was then plugged to 2040' and the 6 1/2" casing perforated between 2028 and 2041'. A pumping test extending over a period of months showed the oil to be in non-commercial quantities so that the water which could not be cased off had ruined the well. Permission to plug and abandon as follows has been given: Shoot 6 1/2" casing at several points between 2028 and 1000', using shots of sufficient size to burst 6", 8" and 10" strings; remove bottom of cement and lead wool above bridge; fill hole with mud fluid between bridge and bottom and above bridge to top of hole. Cement bottom of cellar, covering bridge and bottom and support completion marker. Mr. Reuben 11-11-79

**MAN SOUTHERN OIL CO., INC. 3400 BOSTON
BOSTON Sec. 6-278-LIN (S. L. 028375)**

20

1929

This well has been abandoned as follows: Shot hole between 2020' and 2030' with 5" sticks of powder, ~~then~~ then started dumping mud using mud just as heavy as possible to dump with bailer, 18 $\frac{1}{2}$ pounds or better, also dumped one bale ~~of~~ ^{of} bailer, at bottom. Continued filling hole with mud as above and shot pipe at intervals of 125 feet using 5" sticks of above mentioned powder in each shot, last shot at 1525'. Filled hole to lower with mud and put in solid bridge, then drove 300 pounds of lead wool ~~in~~ top of bridge to stop any agitation and dumped 10 sacks of cement on top of same. Filled hole with mud ~~in~~ to surface, cementing over top of all strings of casing embedded 4" iron pipe in cement which stands at least 4' above surface. Left all ~~in~~ in hole. Will be omitted from future reports. (Subsequent Report of Superintendent)

政治小説の歴史
(第2回)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. Bureau of Fisheries

SUNDY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT RECORD OF SHOOTING
NOTICE OF INTENTION TO CHANGE PLANS	RECORD OF PERFORATING CASING
NOTICE OF INTENTION FOR TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO FILL OR OTHERWISE ACTIVATE WELL
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO ABANDON WELL
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO SHOOT	SUPPLEMENTARY WELL HISTORY

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

— 1 —

Following is a report of work done on land under permit described as follows:

State _____
(State or Territory)

County or Subdivision

— 1 —

Well No. _____ Date _____ Rec. No. _____
(M. Sec. and Sec. No.)

~~47~~ 8 (Twp.) ~~35~~ 5 (Range)

The well is located 100 ft. S of line and W of line of sec. 10.

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

Approved RECEIVED 12-1-2000
CLARK

Company _____

By A. P. Clark

S. No. 200000
Title _____ Dr. J. D. MacCormac
GEOLOGICAL SURVEY

Title _____

Address: _____

..... - Please attach a copy of the original and in triplicate to the Supervisor for approval.

**DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION**

U. S. Land Office _____ Salt Lake
Serial Number _____ 000075
Lease or Permit _____ Possessory

SUNDY NOTICES AND REPORTS ON WELLS

(INDICATE NATURE OF DATA BY CHECKING)

NOTICE OF INTENTION TO DRILL	SUBSEQUENT RECORD OF SHOOTING
NOTICE OF INTENTION TO CHANGE PLANS	RECORD OF PERFORATING CASING
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO ABANDON WELL
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO SHOOT	SUPPLEMENTARY WELL HISTORY
CONTINUING REPORTS	

July 25 1964

192

Following is a ~~notice of intention to do work~~ report of work done on land under ~~permit~~ lease described as follows:

(State or Territory) (County or Subdivision) **Well No.** **Pecan Ranch** **Sec. 4** **Block** **Section**

The well is located _____ ft. N of _____ line and _____ ft. E of _____ line of _____.

The elevation of the derrick floor above sea level is _____ ft.

Details of Plan of Work:

**SIZES, WEIGHTS AND DEPTHS OF PROPOSED
CASINGS; ALSO INJECTION JOBS, CEMENTING POINTS
AND ALL OTHER INFORMATION PROPOSED WORK.**

We connected Frank Shaffer well #1 with 60 cubic foot flow (0.0003 GPM) ground
and 1000 gallon elevation, Cleveland 75 barrels and about 1000 cubic
ft. 1000 water, Columbus 60' 250 10 and 1000 GPM off 1000 cubic
ft.

Annotated

Company

By Clara Schmid

INFORMATION REQUIRED: (Indicate by check mark only that which is absolutely required.)

A. On Water Sample:

(Note here any rare elements to be tested for)

B. On Oil Sample:

1. Gravity.
2. Centrifuge test.
 - (a) Water,
 - (b) Emulsion,
 - (c) Sediment, mud or sand
 - (d) Paraffin.
3. Water content by distillation.
4. Distillations: Air
vacuum
5. Sulphur content.

C. On Gas Sample:

1. Gravity.
2. Oxygen.
3. Carbon Dioxide.
4. Methane.
5. Ethane-plus.
6. Nitrogen.
7. Hydrogen Sulphide.
8. B.T.U.

D. On Gasoline Sample:

1. Gravity.
 2. Water content.
 3. Initial Boiling Point.
 4. Distillations for (a) 50% point, (b) 90% point, (c) total recovery, (d) loss, (e) end point.
 5. Sulphur content.
-

Log on file Graphic log

Previous Analysis on File No.

THIS SPACE FOR LABORATORY USE ONLY:

Received (date) Analyzed (date) By

Result forwarded to Date

Remarks

9-546-b
(August, 1932)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Laboratory - Midwest, Wyoming.

SEF 1932

INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF WATER

Marks on container Lab. No. 38-526 (Filled by Chemist)

SOURCE OF SAMPLE:

Field Same Creek, Grand County, Utah Permit Salt Lake City 026575
Midwest Refining Co. or Lease _____
Operator Utah Southern Oil Co. Operator's Address Salt Lake City, Utah
(Serial Number)

Well No. 1 NW 1/4, 1/4 Sec. 6, T. 27 S., R. 21 E. S.I. M.

Sample taken by E. W. Henderson Date taken 8-19-37

If known, name of sand (or formation) from which this sample is produced Paradox
(If doubtful, so state)

Depth to top of sand 2022 Depth to bottom of sand 2025

Depth well drilled 5,000' Present depth Abandoned

Depths (if known) where water encountered 2022

Depth at which water string is landed, cemented, mudded 6, 8 and 10" strings shot at
2022' to permit testing.

METHOD OF SAMPLING:

Place where sample was obtained (sump hole, lead line, flow tank, bailer, etc.)

Sample obtained at wellhead. Water flowing

Method of production (flowing, pumping, air, etc.) Abandoned well.

Initial production:

Barrels Oil Uncertain
Barrels Water "
Gas Volume "
Rock Pressure "

Present production:

Barrels Oil Show
Barrels Water 6 to 10 barrels
Gas Volume Gas bubbling between strings
and bottom and bottom of 6". Cellar
full of water.

Rock pressure. No test. Some pressure.

REASON FOR ANALYSIS:

- (1) Future reference: May be necessary to do some repair work on well.
(2) _____
(3) Correlation: Correlate with analyses made when well was drilled
in latter part of 1925 and early 1926.
(4) _____

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.

WATER ANALYSIS

Condition of Sample..... Laboratory No... 50-2008

Analyzed by J. A. Standard at Billings, Wyoming Date 8-22-57

Reacting Values

	Parts per million	Reacting value	Value in percent
Sodium and Potassium (calculated as Sodium)	65,000	2000.72	20.26
Calcium (Cal)	64,420	2224.00	27.35
Magnesium (Mg)	55,000	6328.15	22.41
Iron (Fe)		Present	
Sulphate (SO_4)			
Nitrate (NO_3)			
Chloride (Cl)	207,000	2000.00	20.07
Carbonate (CO_3)			
Bicarbonate (HCO_3)	1,200	22.72	0.15
Hydroxide (OH)			
Silica (SiO_2)			
Hydrogen Sulphide (H_2S)			

Total solids
in parts per millionProperties of reaction in
percent

By evaporation..... Primary salinity..... 20.42

After ignition..... Secondary salinity..... 20.42

Calculated..... Primary alkalinity..... 0.00

Secondary alkalinity..... 0.00

Chloride salinity..... 100.00

Sulphate salinity..... 7.00

Remarks and conclusions.....

UTAH
Sec - 27S - 21E

Log of the Shafer #1, Midwest Exploration Company, well located NE $\frac{1}{4}$ S - 27S. - 21E., 2035' from E. 625' from N. Commenced 4-11-25. Elevation 4003'.
Cane Creek, Grand County, Utah.

Sandstone and surface formation	0	25
River sand - water		55
Gray shale		65
Gray limestone - very hard		70
Grayish brown sand & water		82
Light gray shale		85
Sand		95
Gray shale		115
Limestone		130
Brown sandy shale		140
Brown sand		150
Brown shale		162
White Limestone, very hard		185
Gray shale		200
White limestone, very hard		217
Brown sand		219
Brown shale		237
Gray shale		240
Hard gray limestone		332
Gray shale		336
Hard gray limestone		352
Gray shale		356
Hard gray limestone		365
Gray shale		368
Hard gray limestone		373
Sandy gray shale		390
Brown sand		404
Gray sandy limestone - hard and abrasive		431
Brown sandy limestone		438
Gray sandy limestone hard		450
Gray shale		452
Gray limestone, very hard		461
Hard gray limestone		495
Hard gray shale		517
Hard gray limestone		522
Sandy gray limestone		536
Hard gray limestone		543
Very hard gray shale		551
Gray limestone, very hard		603
Grayish brown lime		610
Gray limestone		630
Light gray sandy limestone		660
Hard gray limestone		785
Brown sandy lime		887
Hard sandy lime		891
Hard gray limestone		895
Shale		902
Lime, - extremely hard gray		909
Blue shale		910
Hard white lime, fine		919
Hard gray lime, coarse		922
Hard lime, gray and black		936
Gray lime, hard coarse		945
Gray lime, little shale		960
Hard gray lime, brown gray		964
Hard lime, dark gray		978
Hard brown lime, medium to very fine		992

Hard coarse brown lime	1002
Coarse brown shale	1004
Hard brown lime	1005
Brown lime and shale mixed	1010
Hard brown lime	1020
Hard brown lime showing - little shale	1025
Blue shale, very sticky	1027
Hard gray lime	1033
Hard gray lime, slightly sandy	1037
Hard gray coarse lime	1042
Hard gray lime	1050
Hard shale, lime, Gyp and Quartzite	1053
Hard gray lime	1058
Black lime - shows clay or shale in it	1067
Black lime	1098
Black lime and gray shale	1100
Black lime	1109
Gray lime	1117
Gray sandy lime, silt and gyp	1120
Gray lime - very hard	1127
Gray lime, black shale	1133
Dark gray lime	1145
Light gray lime	1167
Dark gray lime, some shale	1176
Gray lime and white lime, very coarse	1186
Light lime gray hard, fine	1195
Light gray lime, very rank gas	1198
Light gray lime hard and fine	1205
Dark brownish gray lime	1213
Dark gray lime	1228
Dark gray shale	1239
Dark gray lime	1249
Gray lime with gray sandy shale	1252
Dark gray lime	1267
Shale and lime - brown	1290
Brown shale	1309
Brown shale, dark. Blue or black rock, very hard, smells and tastes like tar.	1311
Hard black lime - few white streaks	1318
Very sticky blue shale	1321
Very hard dark gray lime	1328
Light gray shale, slightly sandy	1345
Light gray shale, very sticky	1354
Light gray shale	1360
Light blue shale	1372
Gray lime	1380
White formation (talc. chalk or gyp)	1389
Light blue gray shale	1397
Gray lime, showing gas	1408
Brown lime	1425
Brown shale, - very dark	1432
Black shale - very cavity	1451
Shell - very hard	1452
Shale and sand	1455
Black shale	1466
Gray shale - soft, slightly sandy	1475
Gray lime, coarse - some crystalline rock like soapstone	1482

Page 3.

Gray lime	1496
Gray shale sticky	1498
Gray lime - showing salt	1503
Salt	1505
Salt - lime and shale	1563
Gray lime	1565
Brown shale	1654
Lime	1655
Salt	1833
Lime shell	1865
Gray shale	1866
Salt	1990
Sand fine	2022
Hard lime showing gas	2028

Oil Gas. 37.27 Baume Drilled in

Casing

64' 6" 20"
891' 15½" Cemented

Casing Record 40' 20"
990' 15½"
1408' 12½" Water shut off
1990' 10½"

Open hole 1990 - 2028

Cane Creek, Grand County, Utah
Shafer No. 1 - Midwest Exploration Co.
NET A - 27S - 21E
4035' from E.
625' from N.
Elevation - 4003 feet

Commenced - 4-11-85
Completed
Casing
64" 6" 20"
891" 15 $\frac{1}{2}$ " Cemented
1413" 12 $\frac{1}{2}$ " Cemented
1621" 6" 10"

<u>From</u>	<u>To</u>	<u>Formation</u>
0	25	Sandstone and surface formation
25	55	River sand - water
55	63	Gray shale
63	70	Gray limestone - very hard
70	82	Grayish-brown sand - water
82	85	Light gray shale
85	95	Sand
95	115	Gray shale
115	130	Limestone
130	140	Brown sandy shale
140	150	Brown sand
150	162	Brown shale
162	186	White limestone, very hard
186	200	Gray shale
200	217	White limestone - very hard
217	219	Brown sand
219	237	Brown shale
237	240	Gray shale
240	332	Hard gray limestone
332	336	Gray shale
336	352	Hard gray limestone
352	356	Gray shale
356	365	Hard gray limestone
365	368	Gray shale
368	373	Hard gray limestone
373	390	Sandy gray shale
390	404	Brown sand
404	431	Gray sandy limestone - hard and abrasive
431	438	Brown sandy limestone
438	450	Gray sandy limestone - hard
450	452	Gray shale
452	461	Gray limestone, very hard
461	495	Hard gray limestone
495	517	Hard gray shale
517	522	Hard gray limestone
522	536	Sandy gray limestone
536	543	Hard gray limestone
543	551	Very hard gray shale
551	603	Gray limestone, very hard
603	610	Grayish brown lime
610	630	Gray limestone
630	660	Light gray sandy limestone
660	785	Hard gray limestone
785	788	Brown sandy lime
788	887	Hard gray limestone
887	891	Shale
891	895	Lime - extremely hard gray
895	902	Hard black lime
902	909	Gray lime - very hard
909	910	Blue shale
910	919	Hard white lime, fine
919	922	Hard gray lime, coarse

922	935	Hard lime, gray and black
935	945	Gray lime, hard cearse
945	960	Gray lime, little shale
960	964	Hard gray lime, brown-gray
964	978	Hard lime, dark gray
978	992	Hard brown lime medium to very fine
992	1002	Hard cearse brown lime
1002	1004	Cearse brown shale
1004	1005	Hard brown lime
1005	1010	Brown lime and shale mixed
1010	1020	Hard brown lime
1020	1025	Hard brown lime showing - little shale
1025	1027	Blue shale, very sticky
1027	1033	Hard gray lime
1033	1037	Hard gray lime, slightly sandy
1037	1042	Hard gray cearse lime
1042	1050	Hard gray lime
1050	1053	Hard shell, lime gyp and quartzite
1053	1058	Hard gray lime
1058	1067	Black lime shews clay or shale in it
1067	1098	Black lime
1098	1100	Black lime and gray shale
1100	1117	Gray lime
1117	1120	Gray sandy lime, salt and gyp
1120	1127	Gray lime, very hard
1127	1133	Gray lime, black shale
1133	1145	Dark gray lime
1145	1167	Light gray lime
1167	1176	Dark gray lime, some shale
1176	1186	Gray and white lime, very cearse
1186	1195	Light lime gray hard, fine
1195	1198	Light gray lime, very rank gas
1198	1205	Light gray lime, hard and fine
1205	1213	Dark brownish gray lime
1213	1228	Dark gray lime
1228	1239	Dark gray shale
1239	1249	Dark gray lime
1249	1252	Gray lime with gray sandy shale
1252	1287	Dark gray lime
1287	1290	Shale and lime - brown
1290	1309	Brown shale
1309	1311	Brown shale, dark blue or black rock, very hard - smells and tastes like tar
1311	1318	Hard black lime - few white streaks
1318	1321	Very sticky blue shale
1321	1328	Very hard dark gray lime
1328	1345	Light gray shale, slightly sandy
1345	1354	Light gray shale, very sticky
1354	1360	Light gray shale
1360	1372	Light blue shale
1372	1380	Gray lime
1380	1389	White ferration (talc, chalk or gyp)
1389	1397	Light blue gray shale
1397	1408	Gray lime, showing gas

1408	1425	Brown lime
1425	1432	Brown shale - very dark
1432	1451	Black shale - very cavy
1451	1452	Shell - very hard
1452	1455	Shale and sand
1455	1466	Black shale
1466	1475	Gray shale - soft, slightly sandy
1475	1482	Gray lime, coarse - some crystalline rock like sandstone
1482	1496	Gray lime
1496	1498	Gray shale sticky
1498	1503	Gray lime - showing salt
1503	1545	Salt
1545	1563	Salt, lime and shale
1563	1565	Gray lime
1565	1635	Brown shale
1635	1655	Lime
1655	1833	Salt
1833	1835	Lime shell
1835	1865	Gray shale
1865	1990	Salt
1990	2028	Lime and shale in streaks In lime - oil and gas
2028	T.D.	